

HISTORY

OF THE

DEPARTMENT

OF

AGRICULTURAL ECONOMICS

AND

RURAL SOCIOLOGY

1904 - 1969

FOREWORD

The faculty of the Department of Agricultural Economics and Rural Sociology was privileged to have the opportunity to prepare this report encompassing the history of the Department. It is one of a series of reports which was prepared by the various department in conjunction with the Ohio State University centennial year, 1970.

The report describes a chronology of events concerned with the development of the Department. In addition, it describes the evolution of the changes which have taken place in its development as well as the philosophy associated with these changes.

Special appreciation is expressed to John H. Sitterley, Ralph W. Sherman, and Margaret McDonald, Faculty Members who authored the report. Appreciation is also expressed to all others who contributed to its formulation.

David H. Boyne, Department Chairman
and
Francis B. McCormick, Associate Chairman

**Agricultural Economics and Rural Sociology
At The Ohio State University**

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AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY
AT THE OHIO STATE UNIVERSITY *

Part I - Agricultural Economics and Rural Sociology prior to the
Establishment of the Department

The exact date of the establishment of the Department of Agricultural Economics and Rural Sociology is a topic on which there is some disagreement. Based on information set forth in Part II of the 34th Annual Report of the Board of Trustees, Rural Economics, as the Department was originally called, was set up as an independent department in 1904. This action appeared in the section of the Report listing course offerings for the school year 1904-1905. It was impossible to find precisely when this action was taken by the University administration, However, the decision to do so would of necessity had to precede the date when course offerings had to be submitted for publication in the 1904-1905 catalogue (Part II of the 34th Annual Report). ^{1/} On the basis of the formal listing in the 1904-1905 catalogue it will be assumed that the Department was formally established in 1904 under the name of Rural Economics with Homer C. Price as the first Head of the Department. The Department continued to operate under this name until 1940 at which time "and Rural Sociology" was added.^{2/} The name was again changed in 1949 by replacing "Rural Economics" with "Agricultural Economics." ^{3/} Since then, it has functioned under the name, Agricultural Economics and Rural Sociology.

* Centennial History Committee of the Department of Agricultural Economics and Rural Sociology -- J. H. Sitterly, R. W. Sherman, and Margaret McDonald.

^{1/} The appointment of H. C. Price as Professor of Rural Economics by the Board of Trustees at their June 23 meeting 1903 rather than as Professor of Agriculture (part of the title carried by T.F. Hunt) is fairly conclusive evidence that a decision is established a Department of Rural Economics had been arrived at perhaps informally prior to Price's appointment.

^{2/} The Ohio State University Catalogue 1940-41, p. 631.

^{3/} The Ohio State University Catalogue 1949-50.

For twelve years prior to the establishment of the Department in 1904, course work had been offered in the field of Agricultural Economics and Rural Sociology at the Ohio State University in the "Department of Agriculture." ^{4/}

Ohio State was among a small group of U.S. Universities to offer, at an early date, one or more courses in Agricultural Economics. On the early development and growth of the field, H.C. Taylor, author of The Story of Agricultural Economics, wrote:

"In the closing decade of the nineteenth century solid foundations were being laid for the rapid development of agricultural economic thought in the early years of the twentieth century. The foundation builders included I.P. Roberts and L.H. Bailey at Cornell, R.T. Ely at Wisconsin, T.F. Hunt at Ohio, W.M. Hays at Minnesota, and, somewhat earlier, J.M. Gregory of Illinois and J.R. Dodge of the U.S. Department of Agriculture." ^{5/}

In the 1896-1897 Ohio State University Catalogue the "Rural Economy" course carried the number "16" and was described as "Lectures and recitations upon the history of Agriculture; present agricultural methods in various countries; cost and relative profits of various farm operations and systems, 4 times per week -- 3rd term."

In 1868 both the University of Illinois and the University of Cornell listed courses in the area with the offering at the former carrying the title "Agricultural Economy", and at the latter, "Economics of Agriculture." In 1892 the first course in Agricultural Economics was taught at the Ohio State University by Thomas F. Hunt under the title of "Rural Economy."

^{4/} Prior to 1904 most of the agricultural courses taken by students seeking a B.S. degree in Agriculture were offered by "The Department of Agriculture." In 1904 this department was replaced by four departments of which Rural Economics was one.

^{5/} Taylor, Henry C. and Anne Dewees, The Story of Agricultural Economics, The Iowa State College Press, Ames, Iowa, 1952, p. 53.

In commenting on Hunt, who in 1896 became the first Dean of the newly created College of Agriculture and Domestic Science at OSU, Taylor wrote as follows:

"He was a pioneer in agricultural college and agricultural experiment station work and was an all-round agriculturist who recognized the physical, the biological, and the economic aspects of farming. He was interested in soil and climate, plants and animals, farm management and markets. ^{6/} He said:

'Agriculture is an economic production of living things. Agriculture, therefore, has two important aspects. One is that it deals with life The other aspect of agriculture is that it is commercial The emphasis in agriculture education must, therefore, be placed on biology and economics.' ^{7/}

"Hunt gave the student the task of taking an individual farm at a given time and place and figuring out a plan of operation. The plan was to take into account the physical, the biological, and the economic setting. In that setting the student was to plan crop rotations and livestock enterprises. He was to take into account capital and labor requirements. He was to include an estimate of expenditures and receipts and on that basis to calculate labor income. There was in Hunt's early teaching a definite foreshadowing of the budget method of farm management planning. The path followed by Hunt, the agronomist, "ran quite directly into the domain of agricultural education and subsequently to explorations in the then little-known realm of agricultural economics and sociology. ^{8/}

"One of his students said of Hunt:

'He held his students close to reality by bringing them in touch with conditions in the field involving the topic under study. Trips to study operating farms were a regular part of his method. He held the respect and regard of his students as well as of practical farmers, by virtue of his broad knowledge and good judgement.' ^{9/}

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- ^{6/} Hunt prepared 15 of the 26 chapters in Soils and Crops of the Farm, by G.E. Morrow and T.F. Hunt (Chicago: Howard and Wilson, 1892).
- ^{7/} From manuscript lecture notes in files left by T.F. Hunt at the University of California, Berkeley. Published in the Quarterley of Alpha Zeta, 25 (1):2 (February-March, 1929).
- ^{8/} Editorial, USDA, Experimental Station Record, 56:607-09 (May, 1927).
- ^{9/} E.O. Fippen, "Dean Thomas F. Hunt: An Estimate, 12/9/1944, " unpublished. In H.C. Taylor Archives.

Professor Hunt came to the Ohio State University in 1892 as Professor of Agriculture and Head of the Department of Agriculture in the School of Agriculture. He took over several of the courses Professor Townshend had been teaching, including a new one on advanced agriculture as first listed in the 1891-92 catalogue. ^{10/}

It was a three-term course required in the senior year. In the following year which was the first year for Hunt at OSU the course in advanced agriculture was reorganized. The first term was devoted to Animal Husbandry, the second to Dairy Husbandry and the third to "Rural Economy" with the last being described as "the business of farming past and present." ^{11/} This arrangement continued until 1895 at which time the name of the course was changed from "Rural Economy" to "History of Agriculture and Rural Economics." ^{12/} It continued to be a required four credit offering taught in the third term of the senior year by Professor Hunt. There was no statement as to the content of the renamed course until the following year when it was listed as follows: "History of Agriculture and Rural Economics" - "lecture and recitations upon the history of agriculture; present agricultural methods in various countries; cost and relative profits of various farm operations and systems - 4 credit hours, 3rd term by Hunt." ^{13/}

^{10/} The Ohio State University Catalogue, 1891-92, p. 42.

^{11/} The Ohio State University Catalogue, 1892-93, p. 39.

^{12/} The Ohio State University Catalogue, 1895-96, p. 79.

^{13/} The Ohio State University Catalogue, 1896-97, Part II, p. 98.

In that year, 1896, the School of Agriculture became the College of Agriculture and Domestic Science with Professor Hunt as Dean. ^{14/} He continued to serve as Chairman of the Department of Agriculture; the staff of which consisted of Professor Hunt, Assistant Professors Gibbs and Noyes and Mr. Burkett. In that year twelve numbered courses with descriptions were listed in the offerings of the Department of Agriculture. The course in Agricultural History and Rural Economics was assigned the number "16" which it carried until 1904.

The importance of economics was early recognized in the college as a field of study. This was evidenced by the curriculum established for the four year program in agriculture. In addition to requiring the course in Rural Economics, after it was created in 1892, a course in economics called "Political Economy" was listed from 1890 to 1896 as an elective in the fourth year. In 1896 when the school of Agriculture was changed to the College of Agriculture and Domestic Science and Professor Thomas F. Hunt became Dean, two terms of "Political Economy" as well as one term of "Rural Economics" was listed as required in the four year agricultural curriculum. Starting in 1902 seniors during their last 3 terms were permitted to choose either "American Political History" or "Political Economy." That same year advanced agriculture's 3-course sequence consisting of Animal Husbandry first term, Dairy Husbandry, second term; and rural Economics, third term became electives in a group of 5 with the students required to select two each term.

In 1902-1903 the Department of Agriculture was sub-divided into three areas: I - Zootechny and Rural Economy, II - Agronomy and Farm Equipment and III - Dairying. In the area of Zootechny and Rural Economics 12 courses

^{14/} Ibid, p. 8.

were listed, only one of which was in Rural Economics. This course -- "History of Agriculture and Rural Economics, #16" was listed as an elective and was scheduled by 16 students. Professor Hunt, Professor Plumb and Mr. Ruhlen comprised the staff for sub area I.^{15/} This three way subdivision of the Department of Agriculture was continued in 1903-1904. However, two courses were dropped and one new course, "Livestock Markets and Commerce" added. It was described as follows -- Lecture and recitations upon the methods of preparing and shipping livestock to local and distant markets; of the various available markets and the relationship of prices to grades of stock; of stock yard and packing house methods; of export trade and shipping abroad, etc. Practicum making up comparative market reports and inspection and transporting agencies, stock yards and packing houses - $4\frac{1}{2}$ hours credit -- not to be given in 1903-1904. ^{16/} The one Rural Economics course "16" still on an elective basis was scheduled by 11 students.

On June 23, 1903, Professor Hunt resigned as Dean and Head of the Department of Agriculture effective June 30 to go to Cornell at a salary, the report pointed out, of nearly double what Ohio was able to pay. The University Administration was troubled by the same difficulty then as today, namely a salary scale significantly below many other comparable institutions. The problem was stressed in the Annual Report of the Board of Trustees announcing Hunt's resignation. This was done by reference to the loss of two other valuable members of the faculty who were offered larger salaries during the preceeding year.^{17/}

^{15/} The Ohio State University, 32 Annual Report ending June 30, 1902, Part II, p. 142.

^{16/} The Ohio State University, 33 Annual Report ending June 30, 1903, Part II, p. 112.

^{17/} The Ohio State University Annual Report ending June 30, 1903, Part I, p. 34.

The vacancy created by the resignation of Professor Hunt was filled by the election of Professor Homer C. Price. ^{18/} Professor Price was a graduate of the Ohio State University in 1897. In 1899 he received his MS degree in Horticulture at Cornell after which he returned to the Ohio State University Department of Horticulture and Forestry as an assistant for one year. In 1901 he went to Iowa State College of Agriculture as Head of the Department of Horticulture. ^{19/} Price was listed as Professor, Rural Economics and Dean of the College of Agriculture and Domestic Science in the Ohio State University Faculty Directory for 1903-1904. ^{20/}

There is some question as to whether Professor Price officially assumed the Deanship at that time. In Volume I (1870-1910) of the History of the Ohio State University it is reported "that although the Catalogue accompanying the 33rd Annual Report lists Professor Price as Dean, he was not formally given such a title." ^{21/}, (at that time.) ^{22/}

The new Department with three courses to be offered by Professor Price moved into operation as a distinct segment of the College of Agriculture with the issuance of the University catalogue of course offerings for the 1904-1905 school year.

^{18/} The Ohio State University, 33rd Annual Report ending June 30, 1903, p. 47.

^{19/} Ibid., p. 48.

^{20/} The Ohio State University, 34th Annual Report, Part II, p. 17.

^{21/} History of the Ohio State University, Volume I (1870-1910) p. 545.

^{22/} Added by author.

Part II - The Evolution and Growth of the Department Following 1903

In order to handle most effectively the mass of information that it was deemed desirable to assemble and record in a history of the Department an attempt has been made to handle it under the following six headings.

The first will be concerned with course offerings and enrollment, the second with staff, the third with the place of Agricultural Economics and Rural Sociology and related fields in the four year curriculum of the College of Agriculture, the fourth with its research activities and publications, the fifth with the Department's Agricultural Extension Service activities, and the sixth with the Graduate Program.

Departmental Course Offerings and Enrollment
1904-1970

The material in this section will be presented in some detail for the early years following which will be a summarization of course development by subject matter areas within the Department for the entire period.

It was the opinion of the members of the committee that the activities during the early years of the growing and developing department would be of general interest and should be presented in greater detail than the later years with which there is greater familiarity. The year 1922, in which the University changed from the semester to the quarter system and renumbered all of the courses provided a logical terminal point for the detailed analysis.

The Early Years (1904-1922)

Only one course in the field of Agricultural Economics and Rural Sociology had been offered per year in the Ohio State University College of Agriculture prior to the establishment of the Department. This course was first offered by Professor Hunt in 1892 under the name "Rural Economy" and described as "The Business of Farming, Past and Present." Four years later it was given the number 16 and renamed "History of Agriculture and Rural Economics," 4 credit hours. It continued to carry this number and name until 1904.

The courses offered by the new Department as recorded in the 1904-05 catalogue^{23/} were:

^{23/} The Ohio State University, 34th Annual Report ending June 30, 1904, Part II, p. 113.

"2" - Farm Management, 4 cr. - first term. Lectures and recitations upon farm management, farm accounts and the cost and relative profits of grain farming, dairy farming, stock farming, and general farming.

"4" - History of Agriculture and Literature of Agriculture, 4 cr. - second term. Lectures and recitations upon the history of agriculture; the literature of agriculture, including current periodicals.

"6" - Agricultural Economics, 4 cr. - third term. Lectures and recitations upon the distribution and production of agricultural products; ownership and rent of farm lands; transportation and marketing of farm products; farm labor & wages.^{24/}

Nothing was found in the records to indicate whether course no. 16, "History of Agriculture and Rural Economics," in the Department of Agriculture was dropped by Professor Price or if it was reorganized and renamed "History of Agriculture and Literature of Agriculture." It seems logical to assume that it was reorganized and renamed.

Student enrollment in the first year of operation of the new Department, with all of its courses offered on an elective basis was "Farm Management"12, "History of Agriculture and Literature of Agriculture"6, and "Agricultural Economics"12.

^{24/} Three other new departments and their course listings also appearing for the first time in the 1904-05 catalogue were: The Department of Agronomy with 9 courses, The Department of Animal Husbandry with 14 courses including the course in Livestock Markets and Commerce, and The Department of Dairying with 10 courses. Like Rural Economics, courses in these areas had formerly been listed in the Department of Agriculture of the College of Agriculture & Domestic Science. The Department of Agriculture was then discontinued as a department.

No changes in the original course offering of the Department occurred during the next two years. However, in 1907 a 4 cr. course named "Rural Economics" carrying no. 1 was offered for students in the 2 year course in Horticulture. In the following year two new courses were added. They were:

"Farm Accounts and Records", 2 cr. (course no. 8)

"Research work for Graduate Students", 5-10 cr. (course no. 10)

No description as to the content of these courses was provided.

The University renumbered the course offerings in 1909 and the courses in Rural Economics were assigned the following numbers:

- 101 - Farm Accounts & Records, 2 cr., formerly no. 8
- 102 - Farm Management (2 yr. course in Horticulture) 4 cr., formerly no. 1
- 103 - Farm Management, 4 cr., formerly no. 2
- 104 - Agricultural Economics, 4 cr., formerly no. 6
- 105 - Historical and Comparative Agriculture, 3 cr., formerly no. 4
- 107 - 108 - Research Work for Graduate Students, 5-10 cr., formerly no. 10

In addition to changes in course numbers, the names of two were changed. "Rural Economics" first appearing as course no. 1 in 1907 became "Farm Management" for the 2-year short course in Horticulture and the course on "History of Agriculture and Literature", 4 cr., became "Historical and Comparative Agriculture", 3 cr. Professor Price was listed as the instructor for each of the six courses.^{25/}

In his annual report to the Board of Trustees in 1906, Dean Price stressed the need for and desire of farm leaders in the state for a course

^{25/} The Ohio State University Catalogue, 1909-1910, p. 335.

in agriculture of shorter length than the regular college year. Price was of the opinion that a winter course of ten to fourteen weeks would offer the farm boy an opportunity to spare three months at college at a time when he could be spared from the farm. Following Dean Price's report and the submission of a report by a committee of the faculty, the Board on June 6, 1906, recommended the inauguration of a ten-week course in agriculture for the Winter of 1907. Among other recommendations they set the minimum age at 16 and admittance without examination. Instruction was to be offered in seven subjects of which "Farm Management and Bookkeeping" was to be one. Charles W. Burkett, an OSU graduate in 1895, was elected director and granted a years' leave of absence in order to do research in Europe on this approach to agricultural education.^{26/}

The Winter Short Course in agriculture immediately became a success. In its first year (1907) the enrollment in the Department's short course offering "Farm Management and Bookkeeping" was 100 students. The Winter Short Course was offered each winter for the next twenty-five years. Although enrollment had fallen from the early peak years there was a fairly strong demand for many years after it was discontinued in 1932 to have the course re-established. It was again offered for a few years in the early 1960's, however, enrollment fell fairly rapidly after a strong start and it was again dropped.

^{26/} The History of The Ohio State University, Vol. 1, 1870-1910, page 558.

"Rural Community Life" with the number 110, the first course distinctly in the area of Rural Sociology, was added to the Department's offering in 1913. It was described as follows: "Lectures and recitations on Rural Organizations and Community Life. The rural church, rural school, rural home, and farmers' organizations and their bearings upon country life are studied", 3 cr.^{27/} It must be assumed that it was taught by Professor Price as there was no name listed with the announcement and he was the only member of the staff.

A number of changes occurred in the Department in 1914. Prior to this time T. D. Phillips had been added to the staff and Dr. J. I. Falconer joined the staff during the year.^{28/}

Courses were grouped in the 1914-1915 catalogue into three categories - regular or 4-year program, (3 year) short courses only, and graduate work. Course numbers 101, 103, 104, 105, 110, and 111-112 (see page 12) were listed under the 4-year program. Of these numbers, 111-112 were new and were carried as a new course, "Advanced Farm Management", a two semester course with 5 crs. Prerequisites required for these courses were Economics (general) 135 and Rural Economics 103. It was open to advanced undergraduates and graduate students, making it the first regularly scheduled course offered to carry graduate credit. Prior to this, graduate credit had been given for research under numbers 107-108. No description of the course is provided nor is the name of the instructor given. It seems reasonable to assume that it was taught by Dr. Falconer in view of his educational background and his addition to the staff that year.

^{27/} The Ohio State University Catalogue, 1913-1914, p. 408.

^{28/} The Ohio State University Catalogue, 1914-1915, p. 329-330.

Under the heading of "Short Courses" (three year programs) the following were listed:

51 - Farm Accounts and Records, 4 cr.

"The course deals with the fundamental principles of bookkeeping and their application to farm records."

52 - Farm Management, 4 cr. (Formerly 102, Farm Management for 2-yr. Horticulture)

"Lectures recitations and visits to farms in the vicinity of Columbus. The course includes a study of the systems of farm management, the cost of producing and marketing of farm products and methods of renting, leasing, and operating farm land."

53 - Cooperation in Agriculture, 4 cr.

"Lectures and recitations on the cooperative organization of agriculture, cooperative marketing of agricultural products, agricultural credit, insurance and manufacturing of agricultural products are studied."

54 - Rural Community Life, 4 cr.

"Lectures, recitations on rural social life. Study of rural organizations and their relation to country life."

The course, "Cooperation in Agriculture," No. 53, offered as a short course, in 1914, was a distinctly new area for the Department.

Under the heading "Graduate Work":

Prerequisites for graduate work were listed as follows:

One year of study in Farm Management and Agricultural Economics, Course numbers 107-108, "Research Work" - 5-10 cr. were the only graduate courses listed.

A "Summer Session" the first to be offered by the Department was listed in both the 1914 and 1915 catalogues as follows:

104 - Agricultural Economics, 3 cr., by Vogt

106 - Agricultural Sociology, 3 cr., by Vogt

107a- Seminar in Rural Economics by Vogt

The Department continued to broaden its course offerings in 1915 by adding course no. 102, "Advanced Farm Accounting," 2 cr. and no. 114 "Land Tenure" 2 cr. with RE 103 & 104 listed as prerequisites. Also RE 111 & 112 formerly listed as "Advanced Farm Management" 5 cr. in 1914 was renamed in 1915 as follows - 111, "Advanced Farm Management" 2 cr. with RE 103 listed as a prerequisite and 112 became "Rural Economics Organization", 3 cr. with RE 104 listed as a prerequisite. The two courses, 107-108 "Research for Graduate Students" were renumbered 201-202, 3 to 10 cr. per year.

One new course, 113, "Rural Economic Organization" was announced in the 1916-17 catalogue and 112 was dropped. Two new courses for the four year curriculum were added for the school year 1917-18. One of these, no. 116, "Cooperation in Agriculture" had been offered as no. 53 for the (3 year) short course students in agriculture since 1914 but it had not been made available for the regular four year students until 1917. The introduction of 116, "Cooperation in Agriculture" in 1917 was undoubtedly associated with the addition of Erdman as Assistant Professor to the staff as this new course was in his field. The other new course no. 113 listed in the preceeding year (1916-17) as "Rural Economic Organization" was renamed "The Distribution of Farm Products", a course in agricultural marketing, the introduction of which can also be associated with the addition of Erdman to the staff that year.

The second course to be added in 1917 was no. 118, "Rural Community Development" which was probably taught by Lantis, a new member who had been added to the staff in the preceeding year. Neither a description of course content nor any statement as to who would teach the new courses was provided.

A course, no. 120, "Accounting for Country Elevators and Marketing Organizations" was introduced in 1919-20 and a year later no. 121, a "Special Problems" course was added.

In 1922 the University changed from the semester system under which it had operated since 1909 to the present four quarter plan. This involved major revisions in some departments. However, for Rural Economics with no two semester sequence courses, it was largely a problem of shifting 2 cr. hr. courses to 3 cr. hrs., three cr. hr. courses into 5 cr. hrs. and teaching three or five periods per week instead of two or three periods, as formerly had been the practice under the semester plan. A few 3 and 4 cr. hr. courses under the semester plan had to be reorganized (compressed) to fit into 3 or 5 cr. units instead of 4 or 6 cr. hr. units. Some departments with semester courses that could not be crowded into a one quarter course had to develop two quarter sequence courses. At the time of the shift to the quarter system, Rural Economics had only two courses in the four year program: 103, "Farm Management" and 104 "Agricultural Economics" that were 4 cr. (per semester) courses. These two were compressed and offered as 5 cr. hr. courses. Also a few courses that carried 3 semester hours credit were compressed and continued as 3 cr. hr. courses under the quarter system.

The Department's course offerings for the school year 1921-1922, the first under the quarter system and with the new course numbers and credit hours was as follows:

Course Number		Name - 1921-1922	Credit hours	Credit hours
New	Old		Quarter System	Semester System
401	(104)	Agricultural Economics	5	4
402	(103)	Farm Management	5	4
403	(101)	Farm Bookkeeping & Business Records	3	3
404	(113)	The Distribution of Farm Products	3	3
405	(110)	Rural Community Life	5	3
601	(120)	Accounts for Country Elevators and Marketing Organizations	3	2
602	(102)	Farm Cost Accounts	3	2
603	(116)	Cooperation in Agriculture	3	3
604	(114)	Land Tenure	3	2
605		The Agricultural Industry (not offered to students who have 405)	3	new
606		Sociology for Farm Folk	5	new
607	(118)	Rural Organization	3	3
608		Rural Social Outlook		new
609	(121)	Special Problems	5-15	
301	107-108	Research Work & Seminars in Rural Economics	3-6	5-10

The Period 1922-1970

Departmental growth and change from this point on becomes more meaningful when recorded both chronologically and by subject matter areas as they evolved and developed. To accomplish this the material presented in detail on course development during the early years will be incorporated with the courses developed and introduced during the later years and presented

chronologically by subject matter areas together with some notes on a few of the subject matter areas where some additional observations may be of some significance.

Course Development by Fields and Sub Areas

Approximately 125 numbered courses, seminars and special problems were developed and offered in the field of Agricultural Economics & Rural Sociology during the three quarters of a century since the first course was introduced in 1892. Slightly more than two thirds of these are in the area of Agricultural Economics and the remainder are in the area of Rural Sociology.

Agricultural Economics

Those courses developed and listed in the University catalogues in the Agricultural Economics area fall readily in the fifteen sub-areas. These are listed below in the chronological order in which the first course in the area appeared in the catalogue.^{29/}

	Date first course in area listed in catalogue
1. History and Trends in Agricultural Economic Development	1892
2. Farm Management	1904
3. Agricultural Economics - Principles and Theory	1904
4. Farm Accounts and Records	1908
5. Research Work for Graduate Students	1908
6. Cooperation in Agriculture	1914
7. Land Economics	1915

^{29/} See Appendix A for chronological course development within each area.

	Date first course in area listed in catalogue
8. Agricultural Marketing	1918
9. Special Problems	1920
10. Agricultural Policy	1921
11. Prices of Farm Products	1924
12. Agricultural Credit	1938
13. Food Economics	1949
14. Research Methods in Agricultural Economics	1952
15. Foreign Agricultural Development	1956

Rural Sociology

The courses developed and listed in the University catalogues in the Rural Sociology area group fairly readily into eight sub-areas. These are listed below in the chronological order in which the first course in the area appeared in the catalogue.^{30/}

1. General Rural Sociology	1913
2. Rural Social Organization	1921
3. Rural Leadership	1937
4. Rural Family	1945
5. Research in Rural Sociology	1946
6. Rural Sociology Seminars	1956
7. Diffusion of Information	1959
8. Rural Sociology of Foreign Areas	1962

^{30/} See Appendix A for chronological course development within each of the areas.

Some Observations on Selected Subject
Matter Areas Developed In The Department

Agricultural Economics

Sub-area 1: History and Trends in Agricultural Economic Development

Prior to the establishment of the Department, the one course offered each year was a combination primarily of the historical development and literature of agriculture and farm management with a strong emphasis on the historical aspect. Both the description of the courses and the content of the lectures presented by Professor Hunt, who taught the course from its inception until he resigned in 1903, supports this conclusion.^{31/} Hunt's interest in agricultural economics with its early emphasis on farm management and agricultural history and literature was undoubtedly due to the influence on Hunt of John M. Gregory, the President of the Illinois Industrial University later renamed The University of Illinois.

H. C. Taylor, author of The Story of Agricultural Economics, gave Gregory credit for much of the earliest development of Agricultural Economics. Taylor wrote: "Not only did the agricultural student take courses in Agricultural History and Rural Economy, but they took Gregory's course in Political Economy."^{32/} Taylor commenting further on Gregory wrote: "From the beginning, Gregory stimulated interest in the economic aspects of agriculture. The economy of agriculture was offered at Illinois for third year students

^{31/} A copy of Professor Hunt's lectures of The History of Agriculture is in the OSU Library.

^{32/} Taylor, Henry C. and Ann Dewees, The Story of Agricultural Economics, The Iowa State College Press, Ames, Iowa, 1952, p. 56.

and the course was described in the Spring of 1868 as follows:

"AGRICULTURAL ECONOMY - Relation of agriculture to other industries and to commerce. The several branches of Agricultural Bookkeeping, the farm book, herd book, etc. RURAL LAW - of tenures and conveyances of land Foreign Agriculture, History and Literature of Agriculture." 33/

"Hunt's early teaching reflected that atmosphere at Ohio, required reading in his courses included C. W. Hockyns, Alphonse de Candolle, R. E. Prothers, and Donald G. Mitchells 'Wet Days at Edgewood'."

Instruction in Agricultural History did not terminate when Hunt left Ohio to go to Cornell in 1903. The course, "History of Agriculture and the Literature of Agriculture", comprised one of the first three courses offered in the new Department. With a title change to "Historical and Comparative Agriculture" in 1909, a course featuring history in its title continued to be offered until 1920. After 1920 the Department has had no courses with a specific emphasis on agricultural history. However, a significant portion of the undergraduate courses in Farm Management as taught by Professor Falconer until the mid 1930's involved the study of the History of Agriculture of Ohio.

One of Professor Falconer's major fields of interest was that of Agricultural History. In 1913, Falconer, then a graduate student at Wisconsin, devoted his entire time to gathering additional material for and the preparation of the section of the manuscript involving the period 1840-1860 for the "History of Agriculture in the Northern United States, 1620-1860," which was published by the Carnegie Institute of Washington in May 1925. Professor Falconer was listed as co-author with Percy W. Bidwell, Ph.D.

33/ Ibid., pg. 58.

One of Professor Falconer's early projects after he joined the Department at OSU in 1914 was the preparation of a history of the agriculture of Ohio. This was a joint effort of W. A. Lloyd, J. I. Falconer, and C. E. Thorn. It was published under the title "The Agriculture of Ohio" by the Ohio Agricultural Experiment Station as Bulletin 326 in July 1918.

From the mid 1930's until the introduction in 1947 of the course "Trends in Agriculture," very little time was devoted to a systematic presentation of the history of agriculture in any of the Department's course offering. In the new course in "Trends in Agriculture" a significant block of time was devoted to the history of agriculture to set the background for relating the major shifts and trends in agriculture to economics and vis-a-versa.

History and some economic geography of agriculture continued to make up a significant portion of the course until in 1959 when it was renamed "Economic Development of Food and Agriculture." Since then the historical phase has largely been discontinued.

Sub-area 3: Agricultural Economics

Prior to the introduction of this course as one of the new Department's course offering, student exposure to economic principle and theory was largely through the courses in Political Economy taught by the (general) Economic and Sociology Department. It is impossible to ascertain the extent to which principles and theory as applied to agriculture was included in the Department's first course as taught by Hunt. However, based on Hunt's background which includes a distinct block of course work in Political Economy as well as in Agricultural Economy it seems logical to assume that he was largely responsible for making Political Economy a required course in the four-year curriculum in agriculture after he became Dean of the College

of Agriculture. It is difficult to surmise the extent to which Hunt's influenced the establishment of the course in "Agricultural Economics" in 1904. Regretably no statement of the contents of this course could be located.

Without doubt it was in the course carrying the title, "Agricultural Economics" and during its lifetime the number 6, 104, 401, and 501 with No. 6 being the earliest, that instruction in the principles and theory of economics as applied to agriculture was made available to undergraduate students in the College of Agriculture from 1904 to 1947. In 1947 the course was discontinued at the undergraduate level because it so closely paralleled the introductory course in the principles of economics taught by the Economics Department and required in the Agricultural College curriculum. The course "Trends in Agriculture," which replaced the Department's course with the name "Agricultural Economics" was discussed above.

At the same time the undergraduate course 501 - Agricultural Economics was dropped, a graduate level course 710 - "Agricultural Economics" was introduced. This course with a new number and slight change in name in 1957 and again in 1964 is presently offered as AE 805 "Economics of Agricultural Production." It is in this course with its origin in 1947 that the Department has provided graduate level instruction in the principles and theory of economics as related to agriculture.

In 1967 an additional course - 806 "Advanced Economics of Agricultural Production" was introduced by the Department.

Sub-area 8: Agricultural Marketing

The first course offered in the Department that was clearly in the field of Agricultural Marketing appeared in the college catalogue in 1918 as 113 - "The Distribution of Farm Products." Two years earlier a course carrying the number 113 with the name "Rural Economic Organization" was introduced during Professor Vogts administration. Unfortunately there was no description provided. It is entirely possible that it was oriented towards Agricultural Marketing, but it may also have been oriented toward Rural Sociology. In absence of a description of the 1916 course it is necessary to set 1918 as the starting date for Agricultural Marketing, which follows the addition of H. D. Erdman in 1917 who brought to the Department a definite background and interest in marketing and cooperation.

In 1919 a course in "Accounting for Country Elevators and Marketing Organizations" was introduced. This was the beginning of instruction in the Department in Agricultural Business Management of Marketing Firms.

Commodity marketing courses for livestock (1927), dairy (1927), grain (1927), fruit and vegetables (1930), and poultry (1936) were initiated between 1927 and 1936. The introduction of these courses caused some interdepartmental conflicts which were resolved in 1932 through the process of cross listings in the catalogue of course offerings.^{34/} Since 1932 several graduate level courses and seminars in marketing were added to provide a well rounded program in the area.

^{34/} From 1904 to 1932 a course in Livestock Marketing was taught in the Department of Animal Husbandry by a member of their staff. From 1927 to 1932 the Department of Rural Economics also taught a Livestock Marketing course. This duplication was eliminated in 1932 under an arrangement of cross listing and with the instruction to be provided by a member of the staff of the Department of Rural Economics.

Sub-area 10: Agricultural Policy

The first course carrying the word "policy" did not appear until 1949. However, course 605, "Agricultural Industry," introduced in 1921 was taught by Professor Falconer from its inception in 1949 when the name was changed to "Agricultural Policy." Since then, a graduate level course and one for the new "Honors" program were added.

The "Agricultural Industries" course as taught by Professor Falconer, originally strongly emphasized the economic geography of agriculture. This emphasis was salvaged from the course "Historical and Comparative Agriculture" that was discontinued in 1920. As the agriculture economy of the 1920's became increasingly depressed and surpluses of farm commodities became troublesome, the emphasis gradually shifted from the economic geography of agriculture to one of agriculture policy with a steadily increasing amount of the time absorbed by agriculture's macro problems.

Sub-area 14: Research Methodology

Although the department quickly became involved in graduate work after its establishment as a Department as evidenced by the offering of credit courses for research in 1908 and special problems in 1920, the number of graduate students in any one year was too small to support a formal course in methodology. The instruction that was provided in the area for advanced students was through courses in statistics offered by the General Economics Department. By 1952 the Department's graduate student load had increased and the research experience of many of the staff made it both desirable and possible to move into this area. Since then the course offerings in the area have increased to four.

Sub-area 15: Foreign Agricultural Development

The broadening horizon and outreach of the Department in the post-war years together with a rapid influx of foreign students into the country for graduate work set the stage for this new area. Professor Smith who had spent several years in Mexico and travelled widely in Latin America introduced the first course, "Foreign Agricultural Development" in 1956. Since then, six more courses have been added, three of which specifically fall in this area and the other three; "Farm Management for Foreign Students," "Rural Sociology of Developing Societies", and a "Seminar on Sociology of Foreign Areas" have been listed with the Farm Management offering and with the Rural Sociological offering.

Rural Sociology

Sub-area 1: General Rural Sociology

The first offering devoted strictly to rural sociology was "Rural Community Life" which first appeared in the catalogue of 1913-1914. This course currently called "Introduction to Rural Sociology" has been taught continuously with periodic reorganization including three changes in title. This course has been the one in which the student was first exposed to the theories and principles of Rural Sociology.

Sub-area 2: Rural Social Organization

"Rural Community Development" the first course in this area to be introduced, has had two title changes "Rural Organization" in 1921 and to "Rural Social Organization" in 1926, and has been offered continuously since 1918.

Sub-area 3: Rural Leadership

In 1937 "Rural Recreation Leadership" was developed and introduced by R. B. Tom, an extension specialist in rural recreation. Tom held a joint extension and teaching appointment in the Department. In 1954 the name of this course was changed to "Rural Leadership" which was more in line with the content and objective at that time. Currently it is taught under this name.

Courses Offered and Student Enrollment by Years 1904-1970

The growth of the teaching responsibilities of the Department from its establishment to the present is largely reflected by the number of different courses offered each school year and the number of students enrolled in these courses. In compiling the data presented in the following table no attempt was made to record the number of sections or quarters a specific course was taught each year. Only the number of different courses listed in the catalogue for that year were counted. Fairly early in the history of the department two or more sections of the same course were taught in the same quarter due to the large number of students enrolled and some courses were offered in more than one quarter to accomodate more students.

Enrollment figures by individual course were published in the Reports of the Board of Trustees until 1921-22 at which time the quarter system was installed. No enrollment data were available for the period 1922-1924. From 1925 to the present, the source of student enrollment was departmental records.

Some of the differences in the number enrolled from one year to the next such as from 1909-1910 with 64 students to 1910-1911 with 127 students without any change in courses offered may be due to errors in reporting and publishing. However, a major part of the large change from one period such as 1915-1916 and 1916-1917 with over 400 to less than half that number during the next two years was due to World War I. The very large enrollment of the next three years was due to the war veterans completing their education, and this same situation was repeated during and following the World War II years.

Number of Courses Offered in Agricultural Economics
and Rural Sociology and enrollment by year 1892-1969

School Year	Number of regular courses offered	Student Enrollment Regular Program	Winter Short Course Program Enrollment
1892-1904	1	--	--
1904-1905	3	30	--
1905-1906	3	37	--
1906-1907	3	21	100
1907-1908	4	48	140
1908-1909	7	57	150
1909-1910	7	64	90
1910-1911	7	127	--
1911-1912	8	--	--
1912-1913	8	208	145
1913-1914	8	320	123
1914-1915	9	351	104
1915-1916	11	459	99
1916-1917	13	404	80
1917-1918	13	208	35
1918-1919	14	166	75
1919-1920	15	617	66
1920-1921	15	640	42
1921-1922	11	612	--
1922-1923	11	--	--
1923-1924	11	--	--
1924-1925	12	--	--
1925-1926	12	352	--
1926-1927	13	301	--
1927-1928	20	277	--
1928-1929	20	361	--
1929-1930	20	415	--

(Continued)

School Year	Number of regular courses offered	Student Enrollment Regular Program	Winter Short Course Program Enrollment
1930-1931	21	367	--
1931-1932	21	318	--
1932-1933	20	350	--
1933-1934	18	344	--
1934-1935	18	296	--
1935-1936	18	324	--
1936-1937	18	568	--
1937-1938	19	694	--
1938-1939	22	654	--
1939-1940	22	802	--
1940-1941	22	790	--
1941-1942	22	700	--
1942-1943	22	304	--
1943-1944	22	76	--
1944-1945	22	79	--
1945-1946	22	254	--
1946-1947	22	801	--
1947-1948	23	1390	--
1948-1949	24	1752	--
1949-1950	26	2074	--
1950-1951	26	1625	--
1951-1952	26	1329	--
1952-1953	27	1158	--
1953-1954	27	1198	--
1954-1955	28	1250	--
1955-1956	28	1389	--
1956-1957	32	--	--
1957-1958	32	--	--
1958-1959	34	--	--
1959-1960	36	--	--
1960-1961	36	1277	--
1961-1962	37	1376	--
1962-1963	38	1849	--
1963-1964	38	1884	--
1964-1965	44	1732	--
1965-1966	45	2182	--
1966-1967	45	1947	--
1967-1968	61 ^{1/}	2001	--
1968-1969	63 ^{1/}	2437	--
1969-1970	67 ^{1/}		--

1/ Starting in 1967 all Agr. Economics seminars are listed separately. Previously all Agr. Econ. Dept. Seminars were carried under one number. There were 11 in 1967-68, 11 in 1968-69, and 12 in 1969-70. Rural Sociology seminars continued to be carried under one course number. There were 12 separate Rural Sociology seminars each of the three years under the one number.

The Staff of the Department

1904-1970

Thomas F. Hunt, while never a staff member of the Rural Economics Department -- the name for the department carried until 1940 -- was the first to teach a course in this discipline in the college. He remained at the University until 1903 and became the first Dean of the College of Agriculture in 1896, a position which he held until 1903 and during the entire 12 years taught the "Rural Economy" course.

Homer C. Price replaced Hunt in 1903 as Dean of the College and became the first staff member and head of the department at its formal inception in 1904. Price's duties in Rural Economics teaching started in 1903, one year prior to formation of the department.

Who Was Who in America, Volume III, 1951-1960, carries the following entry on Professor Price:

"Price, Homer Charles, fruit grower; b. nr. Newark, O., February 13, 1875; B. Sc. in agr., Ohio State U., 1897; M. Sc. in agr., Cornell U., 1899; U. of Halle, Germany, 1911-12; Fellow in agr., Cornell U., 1989-99; asst. in horticulture and forestry, Ohio State U., 1899-1901; prof. horticulture and forestry, Ia. State Coll., 1901-03; dean Coll. of Agr. and Prof. Rural Economics, Ohio State U., 1903-15, Mem. Ohio Agr. Comm., 1913-15 Ohio State Board, Agr., 1917-21; now engaged in farming and apple growing, Mem. Sigma Xi, Alpha Zeta, Republican. Baptist, Home: Newark, O., Died March 25, 1943;"

Professor Price carried the entire Department teaching load for the first five years of the Department's existence as well as serving as Dean

of the College of Agriculture. For the first three years he taught one Rural Economics course each term. During the school year 1907-08 he taught four courses and in the following year, six. It was not until 1910 when Thomas D. Phillips, B. Sc. in Agriculture at OSU, was added to the staff that Price received help with the rapidly growing Departmental activities. Phillips immediately assumed the responsibility for teaching the course in Farm Accounts and Records and the Farm Management course for the two-year short course in Horticulture.

No further additions were made to the staff until in 1914 when John Ironside Falconer, Ph.D. Wisconsin, joined the staff as an Assistant Professor. Specifically, the teaching responsibilities assigned to Falconer that year and the succeeding years cannot be determined from the records. However, it may be assumed in light of his background that he introduced and taught the new course in Advanced Farm Management during his first year.

On June 30, 1915, Professor Price retired as Professor of Rural Economics and Dean of the College of Agriculture. In the Annual Report of the Board of Trustees for the year ending June 30, 1915, the following statement was carried on Professor Price:

"The most important changes in the Faculty was the retirement of Homer Charles Price from the Deanship of the College of Agriculture. During his term of service, which began in 1903, he acted as Dean and Professor of Rural Economics and Sociology. For some time the opinion had been growing in the Board of Trustees that Professor Price's talents fitted him better for teaching than for an administrative position. The trustees had intimated this opinion on different occasions and on March 30, 1915, passed a resolution expressing their judgment to this effect. Professor Price was requested to continue his services as Professor of Rural Economics and Sociology. This he declined to do; accordingly, his services terminated June 30, 1915."

Professor Paul L. Vogt followed Professor Price as Head of the Department of Rural Economics. At the May 18, 1915, meeting of the Board of Trustees the following action was recorded. ^{1/}

"Upon the recommendation of the President the following appointment was made."

"Professor Paul L. Vogt, Ph.D., Miami University, was elected Professor of Rural Economics at a salary of \$2,500 effective July 1, 1915."

"In making the recommendation for the appointment the President stated that he desired that it be made a matter of record that it does not involve necessarily the permanence of the Department of Rural Economics or the merging of the Department with the present Department of Economics and Sociology, but leaves that issue for the future."

The meaning of this latter statement is not clear.

On July 1, 1915, Professor Paul L. Vogt became the second "Head or Chairman" of the Department of Rural Economics and functioned as the Head of the Department until his resignation January 1, 1917.

The following is the entry on Professor Vogt in The Directory of American Scholars, Edited by Catell, The Science Press, 1942:

"Vogt, Dr. Paul L(eroy), U.S.D.A., Wash., D.C., Sociology, b. Upper Sandusky, O., May 28, 1878, AB Ohio Northern 1901; Butler Col. 01-03; AB Chicago, 1903, 03-04; University Scholar, Columbus, 04-06; Harrison fellow, Pennsylvania, 06-07, Ph.D. Expert and Special Agent, U.S. Bureau Labor and Corporations, 1908-09; Assistant Professor Agricultural Economics, State College, Wash., 09-11; Professor and Head of Department of Sociology, Miami (Ohio), 11-15; Professor and Head of Department of Rural Economics, Ohio State University, 1915-1917; Superintendent rural work, board home missions and church Exten., Methodist Episcopal Church, 1917-25; Dean Exten. Oklahoma, 26-33; Regional Director, Workers Educational Bureau, America, 33-36; Senior Agricultural Economist, Agricultural Adjustment Adm., U.S.D.A., 1936-39, Sr. Social Scientists, Bureau of Agricultural Economics, 1939-."

^{1/} The Record of the Proceedings of the Board of Trustees of the Ohio State University, July 1, 1915 -- June 30, 1915. Page 85.

Prior to Professor Vogt's appointment as Head of the Department he had been employed to conduct a summer session at OSU for the Department in 1915. Professor Vogt repeated the same course offerings again in 1916.

Two State Extension Specialists with the title "Farm Management Demonstrator" were assigned by the State Agricultural Extension Service Director to the Department during Vogt's tenure; they were, G. N. Dagger, added in 1915, and D. D. Hughes, added in 1916. ^{2/}

Professor Vogt was heavily involved in research in the rural social field prior to his appointment as Head of the Department and during his short tenure he completed and published in 1916 the results of a study of "The Farmers Labor Income." In each of the preceeding two years he completed and published the results of research studies related to problems of a rural sociological nature. Following his resignation as Professor and Head of the Department, January 1, 1917, he published, "Introduction to Rural Sociology" which was one of the early text books in Rural Sociology.

Professor John I. Falconer became the third Head of the Department of Rural Economics during 1917 and was listed as "Professor and Head of Rural Economics" in the 1918-19 catalogue.

Professor Falconer was first appointed "Acting Head" of the Department by the Board of Trustees at their July 24, 1917, meeting. He was named "Professor and Head of the Department of Rural Economics" by the Board of Trustees at a later meeting that same year. ^{3/}

^{2/} The Agricultural Extension Activities of the Department will be presented more fully in a later section of the report.

^{3/} The Record of the Proceedings of the Board of Trustees of the Ohio State University, July 1, 1917 - June 30, 1918, pp. 59-184.

To acquaint the majority of the present staff who have joined the Department since Professor Falconer retired in 1953 and to reacquaint those who either worked with him or took courses under him or both we are reproducing below the Who's Who in America entry for Professor Falconer:

"Falconer, John Ironside, rural economist; Mason, N.H., Jan. 13, 1888; B. S., U. of N.H., 1909; M. S., W. Wis. 1912; Ph.D., 1914; Asst. in agronomy Agr. Expt. Sta. 1909-11; asst. prof. rural economics, Ohio State U., 1914-17; prof. and Head of Dept. since 1917; Chief of Dept. Economics, Ohio Agr. Expt. Sta. since 1925. Appted by sec. of agr. Mar., 1919, as mem. com. to make studies and report on cost of farm products in U.S. mem. Gov. Com. on Taxation (0); 1930 State Planning Board of Ohio, 1935-38; chmn. State Farm and Home Prective Com. (0); 1933-36; mem. Am. Econ. Assn. Am. Farm Econ. Assn., (sec.-treas. 1921-26; pres. 1927) Died August 6, 1963."

When Professor Falconer became the Head of the Department, the Department staff consisted of five men in addition to himself in 1917. They were: Assistant Professors - T.D. Phillips, HE. Erdman, Mr. LO. Lantis, Mr. D.D. Hughes and Mr. G.N. Dagger. Both Erdman and Lantis were added to the staff that year.

During Professor Falconer's tenure as Head of the Department (1917-1953) the staff increased from 6 members in 1917 to 35 as of June 30, 1953. During his 36 years of administration a total of 61 individuals with the rank of instructor or above were added to the staff and 39 accepted other positions, retired or died. The Department directory for June 30, 1953, was as follows: (Names arranged according to date when added to staff)

J. I. Falconer	R. W. Sherman
C. W. Hammans	R. H. Baker
G. F. Henning	R. H. Blosser
G. W. Miller	C. F. Christian
Russell Moore	Elmer Baumer
V. R. Wertz	R. A. Bailey
J. P. Schmidt	M. B. Evans
John Sitterley	F. B. McCormick
L. H. Barnes	R. H. Pollock
Margaret McDonald	Robert Schwart

M. G. Smith
W. A. Wayt
John Sharp
Glen Mitchell
E. T. Shaudys
Wade Andrews
Theodore Leed

H. C. William
M. E. Gravens
Wilbur Bruner
Lowell Folsom
Fred Hughes
Albert Levak
R. O. Olson

Professor Mervin G. Smith became the fourth Head of the Department of Agricultural Economics and Rural Sociology on July 1, 1953. Professor Smith joined the staff in 1948 as an Extension Economist, a position which he held until appointed "Head" of the Department. Professor Smith's listing in the 1968-1969 Who's Who in America is as follows:

"Smith, Mervin George, educator; b. Corunna, Ind., Apr. 6, 1911; B.S. with distinction, Purdue U., 1933, Ph.D., 1940; grad. study U. Chgo., 1938; Vocational agr. teacher, Middlebury, also Goshen, Ind., 1933-36; research asst. agr. economics dept. Purdue U., 1936-39, research assoc. summers 1936, 37, 41, instr. agr. econs. 1939-42; agr. economist, attache in Mexico, U.S. Dept. State, 1942-45; research dir. May seed and nursery co., Shenandoah, Ia., 1945-48; assoc. prof. agr. econs. and rural sociology, dept., extension Ohio State U., 1948-50, prof. 1950-53, prof., chmn., dept. Ohio State U., Agr. Expt. Sta. 1953-66, asst. dean international agricultural affairs College of Agr. and Home Economics, 1966 --, dir. agr. Finance Center, 1965-67, U.S. Rep. Internat. Conf. Agr. Economists, Helsinki, Finland, 1955, Mexico, 1961, France, 1964; special agency Internat. Development cons. Latin Am., 1957, 59, 61; vis. prof and consultant Iowa State Univ. 1960. Member American Soc. U. Profs., Am. Farm Econ., Assn., Sigma Xi, Alpha Zeta, Kappa Delta Pi, Theta Alpha Phi, Gamma Sigma Delta"

The staff of the Department of Agricultural Economics during Professor Smith's 13 years as Chairman increased from 34 as of June 30, 1953 to 45 as of August 31, 1966. In the slightly more than 13 year period a total of 83 individuals with the rank of instructor or above were added to the staff and 72 accepted other positions, retired, or died. The Department directory for August 31, 1966 was as follows:

(Names arranged according to date when added to the staff)

John Sitterley	Wallace Barr	John Moore
Margaret McDonald	T. T. Stout	Paul Thomas
R. W. Sherman	Robert Tompkin	Robert Jacobson
R. H. Baker	V. A. Vandemark	William Flinn
R. H. Blosser	Charles Ingraham	Ted Jones
R. A. Bailey	Robert Reeser	Don Moore
F. B. McCormick	John Mitchell	Norman Rask
M. G. Smith	Lois Simonds	Fred Rafeld
W. A. Wayt	Bruce Marion	G. W. Burkhart
John Sharp	Ed Royer	Howard Steele
E. T. Shaudys	Francis Walker	Ted Darrow
H. C. Williams	John Bottum	Dale Adams
M. E. Cravens	D. H. Doster	Al Pugh
Ross Milner	Glen Himes	Howard Phillips
Clarence Bowen	Walter Harter	Ed Watkins

Professor Francis B. McCormick was appointed as acting Head of the Department September 1, 1966, and served in that capacity until November 1, 1967. During this period four members - Dave Hahn, Dave Miskell, John Pierce and Robert Welsh were added to the staff, and M. G. Smith resigned to take an other position while one member, Robert Blosser, died.

On November 1, 1967, David H. Boyne became the fifth Head or Chairman of the Department of Agricultural Economics and Rural Sociology. Since accepting the responsibility of chairmanship, six new members - David H. Boyne, Kelso Wessel, Leroy Hushak, Patrick Boles, Ralph L. Baker, and Bernard L. Erven, have been added to the staff; and nine members -- E. Royer, H. Doster, D. Moore, F. Rafeld, P. Boles, W. Harter, G. W. Burkhart, D. Miskell and T. Jones have resigned to accept other positions and one member, Ray Mangus, retired.

The personnel in the Department as of July 1, 1969, was as follows:

(Names arranged according to date when added to the staff.)

John H. Sitterley	W. A. Wayt	Clarence Bowen
Margaret McDonald	John Sharp	Wallace Barr
R. W. Sherman	E. T. Shaudys	Robert Tompkin
R. H. Baker	H. C. William	T. T. Stout
R. A. Bailey	M. E. Cravens	Vern Vandemark
F. B. McCormick	Ross Milner	Charles Ingraham

John Mitchell
Lois Simonds
Bruce Marion
Francis Walker
John Bottum
Glenn Himes
John Moore
Paul Thomas
Robert Welsh

Robert Jacobson
Norman Rask
Howard Steele
Edward Darrow
Dale Adams
Howard Phillips
Al Pugh
Ed Watkins
Dave Hahn

John Pierce
David H. Boyne
Kelso Wessel
Leroy Hushak
Bernard Erven
Herb Hadley
Ralph Baker

One hundred sixty five different individuals with the rank of instructor or above have served the Department of Agricultural Economics and Rural Sociology from its inception to the present time. ^{4/} On the basis of full years of service, this totled 1445 man years of service on July 30, 1969. The names of these individuals with the dates of their service are listed in the appendix. (B)

The twenty individuals whose names are listed below have had twenty or more years of service by June 30, 1969. Those names preceeded by a * were still active members of the staff on that date.

Years of Service

	42	Henning
*	41	Sitterley
*	40	McDonald
*	39	Sherman
	38	Falconer
	34	Hammans
	34	G. W. Miller
	34	Russell Moore
	34	Wertz
	34	Barnes
	31	McBride

^{4/} We believe this number to be accurate but there is a possibility that a name or two may have been missed.

Years of Service

	29	Schmidt
*	29	R. H. Baker
	27	R. B. Tom
	25	F. L. Morison
	25	B. A. Wallace
	23	R. H. Blosser
*	23	R. A. Bailey
*	22	F. B. McCormick
	20	C. W. Hauck

The Place of Agricultural Economics and
Rural Sociology in the Four-Year Agricultural College Curriculum

Instruction in the field of the Social Sciences was early recognized as an essential part of the course of study for the B. S. degree in Agriculture. In the four year curriculum for the B. S. degree in agriculture outlined in the 1890-91 catalogue, "Political Economy" was listed as an elective in the fourth year. Two years later when the course, "Rural Economy", was first offered it was immediately included in the curriculum as a required course.

In 1896 when the School of Agriculture was changed to the College of Agriculture and Professor Hunt became Dean, two terms of Political Economy as well as one term of Rural Economics became required courses in the four year curriculum. The course, "Rural Economics", was moved from a required course to a group of five electives in 1900 with the requirement that two be selected.

Two years later the two-term Political Science requirement was broadened to allow the student to choose between American Political History and Political Economy. The two-term requirement with a choice between American History and Political Economy established in 1902, was increased in 1905 to three terms and all three of the courses offered by the new Department of Rural Economics were included as electives. Two years later (1907) all three of the department's original course offerings -- Farm Management, History of Agriculture and Literature of Agriculture, and Agricultural Economics -- were made required courses in the four-year curriculum.

In 1909 when the University shifted to the standard two semester system, a total of 6 semester hours of either American Political History or Political Economy and 8 semester hours of Rural Economics continued to be required. The only significant changes as a result of the introduction of the semester system were the elimination of History of Agriculture and Literature of Agriculture as a required course and the expansion of the two courses, "Farm Management" and "Agricultural Economics" into two full semester required courses.

No further change in status of Rural Economics and Social Science (American Political History and Political Economy) in the four-year curriculum occurred until 1915. In 1915 the first year of Dean Alfred Vivian's administration, the college four year curriculum changed significantly, particularly with respect to requirements in the Social Science area. The new curriculum introduced in 1915 was much less specific as to course requirements for graduation than previously and more emphasis was placed on majors in the different subject matter areas. Consequently, the number of courses required of all students was greatly reduced. In the new four-year curriculum there were no courses in the Social Science area required in contrast to the fairly heavy block during the preceding decade. The only Social Science courses included in the new plan were "Economics" (general) 135 and 136 - 3 credit hours each - and these were listed as electives.

(General) "Economics" 101 and 102 were substituted for "Economics" 135 and 136 in the list of elective courses in the four-year curriculum in 1916. No further change appears to have been made until in 1921, when the quarter system replaced the semester system. At that time general "Economics"

101 and 102 previously carried as electives were dropped. From then until 1927 no general Economics or Rural Economics courses were listed either as required or elective courses in the four-year curriculum. During this period, each area in which student majors were encouraged was permitted to set up its own program. It appeared to be a period in which the individual advisor and student largely determined the program.

In 1927 the college added general "Economics" 405 to the required list and suggested general "Economics" 401 and 402 for students desiring a broader program. This arrangement continued until 1932 when the position of Social Sciences in the curriculum was again significantly strengthened. That year General "Economics" 401 (5 credits), and 402 (5 credits) and "Rural Economics" 501 (5 credits) were added to the list of required courses. In addition, "Rural Sociology" 505 was included in a list of suggested electives.

Except for expanding the number of Rural Economics courses included in the lists of electives from which the four-year students were required to select a specified number of courses, no further changes were made in the Social Science requirements until 1950. Thus, from 1932 to 1950 ten hours of general Economics and five hours of Agricultural Economics were required of all four-year Agricultural College Graduates.

A few detailed specialized four-year curriculums in Agriculture were carried in the 1932 catalogue of which "Rural Economics and Rural Sociology" was one. Under the heading was a note, "This curriculum is designed for students who plan to prepare for research and teaching in the field of Rural Economics and Rural Sociology. It is distinguished from the Rural Economics major in the general curriculum by the inclusion of more basic Social Science courses."

The specialized Rural Economics and Sociology curriculum continued to be carried with little change until 1945 when it was restructured to make possible majors in three areas -- Farm Management, Marketing, and Rural Sociology. The first two years were the same for all three of the areas with the last two years designed to provide needed depth in each of the three areas.

The next significant change in the position of Social Science in the college curriculum occurred in 1951. That year the specific requirement of "Economics" 401 (5 credits) and 402 (5 credits), and "AE" (Trends in Agriculture) 420 (5 credits) was replaced with a required 15 credit hour Social Science option which read as follows:

"Agricultural Economics 420 (5 credits), Economics 406 (5 credits), and 5 credit hours to be selected from Political Science, Sociology, or Rural Sociology."

No further changes were made until in 1958 when the previous 15 credit hour Social Science requirement was replaced with a new one in which "Agricultural Economics" 420 (5 credits) was dropped. "Economics" 401 (5 credits) or 406 (5 credits) were specifically designated and the remaining 10 credit hours could be selected from the following departments -- Economics, History, Political Science, Sociology or Rural Sociology, and Geography.

In 1958 the detailed specialized curriculums were replaced by three programs. There were designated:

"Agricultural Program"

"Agricultural Industry Program"

"Agricultural Science Program"

In each of the first two, Agricultural Economics 420 now called "Economic Development of Food and Agriculture" was listed as a college requirement.

In 1959, a fourth program was added to the three set up in 1958. Namely --

"Agricultural Social Science Program". This program was introduced by the Department to provide a broader and more basic program for students interested in graduate work than that provided by the Agriculture program or the Agriculture Industry Program. Its objective was similar to the special curriculums introduced in 1932. (See Page 41) A student who elected this Social Science Program had in addition to the basic university social science option of 15 hours, 21 more specific courses in Social Science.

Except for minor changes the position of Agricultural Economics and Rural Sociology in the Agricultural College curriculum program is essentially the same in 1969 as described for 1960.

The Research Activities and Publications of the
Department 1904-1970

The agricultural Economic and Rural Sociological research activities in Ohio have been divided into two periods in this report. The first period covers the activities prior to July, 1925, and the second, the activities since that date. The reason for using 1925 as the breaking point between the two periods is that on July 1, 1925, a Department of Rural Economics was established at the Ohio Agricultural Experiment Station at Wooster, Ohio.

Research Activities Prior to 1925

No evidence of clearly recognizable research activities in the field of Agricultural Economics and Rural Sociology in Ohio occurred prior to the formal establishment of the Department of Rural Economics at the Ohio State University in 1904. During the ten years 1882 to 1892 that the Ohio Agricultural Experiment Station was situated at Columbus and operated in conjunction with the Ohio State University, there is no evidence, based on the titles of publications issued during that time, of any work being done either of an economic or sociological nature. In 1892 the experiment station was moved to Wooster, Ohio.

Shortly before the turn of the century students of the College of Agriculture formed a "Student Union" to encourage experimentation in various phases of agriculture on their own farms. The idea spread rapidly and by 1904 L. H. Goddard was employed by the Ohio Agricultural Experiment Station with the title of Experimentalist. The following statement appeared

in the 23rd annual report of the station:

"at our request the item for "special work", in the appropriation bills for 1904 and 1905 was increased in order that the cooperative work (Student Union of Ohio) might be put on a more effective basis and Mr. L. H. Goddard was placed in charge under the title of Experimentalist."

Henry C. and Anne Deweese Taylor in The Story of Agricultural Economics 1840-1932, under the heading "Cost Accounting in Ohio" wrote as follows: ^{1/}

"In Ohio, in 1905, L. H. Goddard, of the Agricultural Experiment Station, initiated the correspondence method of detailed cost accounting, including labor records. Farmers who had graduated from the agricultural course at Ohio State University, and others who wished to carry on experiments on their farms, were members of an organization known as the Agricultural Students' Union. Working with that group was a primary function of the Experiment Station's Department of Cooperation, established in 1904 with L. H. Goddard as Chief. Goddard began in 1905 to help the members of the Union with the keeping of detailed records of their farming activities. He was assisted by O. M. Bugby from 1905 to 1909, after which he was assisted by W. L. Elser. The method used differed from the Minnesota system primarily in the fact that the route method was not used. The farmers sent in their records by mail. A representative of the experiment station helped survey the farms, helped take the inventories, and visited each farm a few times each year to help with the record keeping. The posting of accounts and records was done by the Experiment Station."

"In 1907 the U. S. Department of Agriculture, Office of Farm Management, entered into co-operation with the Ohio Agricultural Experiment Station in jointly conducting the study and preparing the bulletin on the labor cost of producing corn. That bulletin was based on labor records kept by co-operating farmers in 23 counties extending over a period of seven years." ^{38/}

"In keeping the record of the man labor and horse labor expended on the production of corn, the following items were kept separate: Fertilizing (which included the time required in hauling manure as well as in applying commercial fertilizers), care of seed, preparation of seedbed, planting, cultivating, harvesting, miscellaneous labor, general farm labor, each item being designated as a partial item."

^{1/} The Story of Agricultural Economics by Henry C. and Anne Deweese Taylor, pgs. 400-403.

^{38/} (No. from quoted manuscript) L. H. Goddard and W. L. Elser, "Labor Cost of Producing corn in Ohio", Ohio Agr. Exp. Sta. Bulletin 266, Wooster, 1913, p. 85.

"The bulletin shows the labor requirements per acre of corn and compares the requirements per acre on fields of varying sizes, and also on fields of different shapes. A greater quantity of labor was required on small fields. In some instances there was less horse labor but much more man labor expended per acre on the small fields. The labor costs were compared for the different methods of harvesting. A special study was made of the cost per acre of harvesting crops of varying yields per acre. The labor cost of harvesting corn per bushel varied inversely with the yield, but the cost per acre was slightly larger for the higher yields. The bulletin states:

... "The average yield of 87 of the 108 fields under consideration was 48.13 bushels per acre. Forty-four of these fields produced less than this, or an average of 36.57 bushels per acre, while 43 fields produced an average of 59.38 bushels per acre the total labor cost of the 43 fields having the average yield of 59.38 bushels per acre is but 50 cents per acre more than that of the 44 fields averaging only 36.57 bushels per acre, thus making the labor cost per bushel very much lower for the 43 fields having the higher yield." 39/

"One table in the bulletin shows the number of bushels of corn per acre necessary to pay the labor cost of production at various costs and prices per bushel, no credit being allowed for value of stover." 40/

"The bulletin contains nothing about seasonal distribution of labor requirements, but does contain an ingenious table 41/ showing the labor cost per acre of varying prices per hour for man and horse labor."

"Of course, when changes took place in the basic labor requirements due to technical changes in the methods of production, the tables would be obsolete unless, and until, new tables were made on the basis of the new labor requirements."

"In 1913 Goddard accepted a call to enter the service of the U. S. Department of Agriculture, and the Ohio Agricultural Experiment Station at Wooster had no one in charge of farm management research for a dozen years, or until John I. Falconer,

39/ (No. from quoted manuscript) Goddard and Elser, "Labor Cost", p. 117.

40/ (No. from quoted manuscript) Goddard and Elser, "Labor Cost", p. 99.

41/ (No. from quoted manuscript) Goddard and Elser, "Labor Cost", p. 98.

Professor of Rural Economics at the Ohio State University at Columbus, was asked, in 1925, to serve also as Chief of the Department of Economics at the Experiment Station." ^{42/}

"In the meantime the Ohio State University had continued its interest in the economic aspects of farming which had been aroused by Thomas F. Hunt in the 1890's. In 1922-23, the Extension Service of that University published a bulletin on labor requirements which was based on interviews. ^{43/} That bulletin indicated the relative amount of labor required in performing given functions, such as plowing, planting, cultivating, harvesting, hay loading, manure hauling, etc., with various sizes and varieties of farm equipment. That bulletin did not, however, include the facts showing the seasonal distribution of labor requirements on the different crops grown on the same farm."

In the 26th Annual Report of the station for the year ending June, 1907, the following appeared under the heading of Cooperative Experiments:

"While some 20 lines of work have been taken up, the major part of the work has been confined to experiments with corn, wheat, alfalfa, timothy, potatoes, forestry, fertilizer, lime, plant breeding and farm management, the testing of forage crops and the study of farm management are being conducted cooperatively with the United States Department of Agriculture."

In the Annual Report for the year ending June, 1907, the directory of station staff listed nine Department Chiefs. L. H. Goddard was listed as Chief of the Department of Cooperative Experiments. This department in view of the nature of much of the work that it engaged in until discontinued in 1915, may be considered to be the forerunner of the Department of Rural Economics that was created at the station in 1925.

In the next Annual Report the work in the area of Cooperative Experiments was summerized as follows:

^{42/} (No. from quoted manuscript) Letter from J. I. Falconer to H. C. Taylor October 22, 1946.

^{43/} (No. from quoted manuscript) R. F. Taber and C. R. Arnold, "The Labor Required for Crop Production in Ohio", Ohio State University, Agricultural Extension Service Bulletin, Vol. 18, No. 5 (Columbus, 1922-23).

"The work in farm management is steadily increasing. The purpose of this work is to study the various enterprises on the farm from the standpoint of profit and loss In this work we have the cooperation of 35 general farmers who are reporting the cost in time and money of all of their operations, and 52 dairymen who are reporting on 670 cows giving the amount of feed consumed, the amount of milk product"

By the end of June, 1910, the staff of the Department of Cooperation listed -- L. H. Goddard, Chief, with Assistants: M. O. Bugby, G. T. Talbott, W. A. Lloyd, W. M. Cook, and W. L. Elser.

The 29th Annual Report for that year carried the following two statements, the first under the heading Farm Management Investigations, and the second under the heading Statistics of Crop Production:

"The necessary foundation on which to build a better system of management is the knowledge of what is now being done:"

"To obtain this knowledge, statistics of crop production are collected annually by the township assessors. Some of these are being put into usable form at the station."

In 1911, the Department of Cooperation of the Ohio Agricultural Experiment Station had eleven members on its staff with L. H. Goddard as Chief. In 1913 Goddard resigned his position as Chief of the Department of Cooperation in order to accept a position in the United States Department of Agriculture. In 1914 the Department of Cooperation listed nine members with Director Thorn as Chief with W. L. Elser (BS) listed as Executive Assistant. Eight of the nine members now carried the title of County Agent and were stationed as follows: H. P. Miller, Portage County; F. L. Allen, Geauga; W. M. Cook, Green; M. O. Bugby, Trumbull; K. L. Higgins, Montgomery; F. N. Meeker, Butler; M. C. Thomay, Miami; E. C. Bundy, Paulding.

Since a major part of the work of the staff of the Department of Cooperation was on farms of cooperators throughout the state, many of the staff of the Department were stationed out in the state to be near their work.

In 1915, the Department of Cooperation was replaced by a new department called the Department of Farm Management.

In the 34th Annual Report for the year ending June 30, 1915, the following appeared under the heading "Farm Management:"

"By General Order, issued February 22, 1915, the Department of Cooperation was changed to the Department of Farm Management with the following outline of work:

- (1) General management of the following district and county experimental farms (12 were listed)
- (2) In cooperation with the county agents to discover, develop and introduce the most profitable systems of farming for the various counties in the state."

Nine other specific areas of work were delineated, of these, three were distinctly in the area of farm management.

In 1915, when the change was made from the Department of Cooperation to Department of Farm Management, the Ohio Agricultural Extension Service was expanding rapidly and as indicated above most of the staff of the Department of Cooperation were shifted from the Experiment Station to the Extension Service as County Agents.

The staff of the new Department of Farm Management consisted of two members stationed at Wooster and four resident managers of district farms in 1915. With its reduced staff and increasing responsibility for the supervision and operation of the experiment station farms, very little time was spent on work related to Agricultural Economics and Rural Sociology.

In 1924-25 at the time the new Department of "Economics (Rural)" was created at the Ohio Agricultural Experiment Station the Department of Farm Management was renamed "District and County Experiment Farms".

Growing out of the activities of the Department of Cooperation and the early research activities of the staff of the Department of Rural Economics at the Ohio State University prior to the establishment of a Department at the Station, the following 13 bulletins and 8 circulars with distinct Agricultural and Rural Sociological orientations were published by the Ohio Agricultural Experiment Station.

CIRCULARS

Minor Items of Farm Equipment by L. W. Ellis of the Office of Farm Management Investigations, USDA, (In cooperation with the Department of Cooperation at the Ohio Agricultural Experiment Station) OAES Circular No. 98, February 1910.

Cooperative Dairy Work by L. H. Goddard and M. O. Bugby, OAES Circular No. 99, March 1910.

Centers of Agricultural Production in Ohio by L. H. Goddard, OAES Circular No. 100, April, 1910.

A Successful Alfalfa and Truck Farm in Southeastern Ohio by W. A. Lloyd, OAES Circular No. 107, October, 1910.

The Rural Population of Ohio - Where it is increasing and decreasing and why by L. H. Goddard, OAES Circular No. 116, September, 1911.

Farm Poultry (A cost study) by W. A. Lloyd and W. L. Elser, OAES Circular No. 118, October, 1911.

Farm Management Field Studies and Demonstration Work in Ohio by L. H. Goddard, OAES Circular No. 127, June, 1912.

The Cost of Tile Drainage by L. H. Goddard and H. O. Tiffany, OAES Circular No. 147, September, 1914.

BULLETINS

Farm Equipment (A cooperative study with the Office of Farm Management, USDA and the Ohio Agricultural Experiment Station) by L. W. Ellis, OAES Bulletin No. 227, February 1911.

Labor Cost of Producing Corn in Ohio (A cooperative study with the Office of Farm Management and the OAES) by L. H. Goddard and W. L. Elser, OAES Bulletin No. 266, December, 1913.

Raising Dairy Heifers - Cost, Feeding and Care by C. C. Hayden, (Department of Animal Husbandry) OAES Bulletin No. 289, August, 1915.

Marketing of Woodlot Products by J. W. Calland, OAES Bulletin No. 302, 1916.

The Possible Wayne County Farm by C. E. Thorne (Director of the Station), OAES Bulletin No. 304, November 1916.

The Agriculture of Ohio by J. I. Falconer (Department of Rural Economics, OSU), OAES Bulletin No. 326, July, 1918.

Livestock vs. Grain Farming by C. G. Williams (Department of Agronomy) OAES Bulletin No. 328, July, 1918.

A Five Year Farm Management Survey in Palmer Township, Washington County, Ohio, by H. W. Hawthorne (The Office of Farm Management, USDA), USDA Bulletin No. 716, September, 1918.

The Farmers Elevator Movement in Ohio by H. E. Erdman (Department of Rural Economics, OSU), OAES Bulletin No. 331, November, 1918.

Dairy Production In Ohio (A dairy cost study) by R. I. Grady and M. O. Bugby, OAES Bulletin No. 334, February, 1919.

Organization Among Ohio Farmers by H. E. Erdman (Department of Rural Economics, OSU) OAES Bulletin No. 342, June, 1920.

Methods of Renting Land in Ohio by J. I. Falconer (Department of Rural Economics, OSU) OAES Bulletin No. 348, May, 1921.

The Cost and Utilization of Power on Farms Where Tractors are Owned - 286 Farms - Ohio, Indiana, Illinois - 1920 by H. R. Tolley and L. A. Reynoldson (The office of Farm Management, USDA) USDA Bulletin No. 997, December, 1921.

Prices of Ohio Farm Products by J. I. Falconer (Department of Rural Economics) OAES Bulletin No. 365, June, 1923.

Cooperative Livestock Marketing in Ohio by B. A. Wallace (Department of Rural Economics) OAES Bulletin No. 375, April, 1924.

The Tractor on Ohio Farms by F. L. Morison (Department of Rural Economics, OSU) OAES Bulletin No. 383, May, 1925.

Following the discontinuance of the Department of Cooperation at the Ohio Agricultural Experiment Station and the transfer of a major part of the staff to the rapidly developing Ohio Agricultural College Extension Service, significant research activities in the area of Agricultural Economics were carried out by some of the Extension Service staff. Between 1915 and 1923 the following five Extension Service bulletins with a distinct Agricultural Economic orientation were published:

Some Results of the Farm Management Survey in Geauga County, Ohio - Burton Area by F. L. Allen and J. I. Falconer, Ext. Service, Bulletin, Vol. XI, No. 2, 1915-1916.

Causes of Good and Poor Farming in Corland Area, Trumbull County, As Shown by Farm Management Demonstrations by M. O. Bugby and G. N. Dagger, Ext. Service Bulletin, Vol. XI, No. 11, 1915-1916.

Useful Farm Records and Accounts - For Studying the Farm Business by G. N. Dagger, Ext. Service Bulletin, Vol. XII, No. 4, 1916-1917.

The Organization of the Farm Business for Profit by G. N. Dagger and J. I. Falconer, Ext. Service Bulletin, Vol. XIII, No. 3, 1917-1918.

The Labor Requirements for Crop Production in Ohio by R. F. Taber and C. R. Arnold, Ext. Service Bulletin, Vol. XVIII, No. 5, 1922-1923.

The Creation of a Department of Rural Economics in the Ohio Agricultural Experiment Station and the Working Arrangement Between it and the Department of Rural Economics at the Ohio State University

The establishment of an understanding providing for agricultural research at the College of Agriculture of the Ohio State University was implemented at the April 25, 1925, meeting of the Board of Trustees of the Ohio State University. The following appeared in the minutes of that meeting. ^{2/}

"An understanding providing for Agricultural Research at the College of Agriculture, of the Ohio State University."

^{2/} Proceedings of the Board of Trustees for the year July 1, 1924 to June 30, 1925, p. 111.

"It is hereby provided that a sub station of the OAES shall be established with the College of Agriculture of the Ohio State University at Columbus."

"Members of the resident faculty of the College of Agriculture may upon recommendation of the heads of departments concerned, the Dean of the College of Agriculture and the President of the University be appointed to the station staff in the usual way, to carry on work at this sub station"

"The members of the college faculty who are appointed to the station staff shall be responsible in their research work to the head of the station department with which they are connected and the results of their work shall be published under the same conditions as those of the other members of the staff."

At the June 12, 1925, meeting of the Board of Control of the Ohio Agricultural Experiment Station it approved the establishment of a Department of Rural Economics at the Station. The minutes of that meeting carries the following entry:^{3/}

"The following Recommendations of the Director were approved --"

"That a new department to be known as the Department of Rural Economics be, and hereby is established, taking the place of the present Department of Farm Management, and that J. I. Falconer be appointed Chief, devoting one-half of his time to station work, beginning July 1, 1925, at a salary of \$2,500 per year to be paid from Federal funds."

"That G. F. Henning be appointed Assistant in the Department of Rural Economics beginning August 1, 1925, at a salary of \$3,000 per year, to be paid from Federal funds."

"That C. G. McBride, C. E. Lively, F. L. Morison and John Dowler be appointed assistants in the Department of Rural Economics beginning July 1, 1925, without salary."

The tie between the two departments, the one at the station, and the one at the university, is through the procedure of joint appointments. Staff members with joint appointments receive a contract and salary check from each. Since the establishment of the department at the station

^{3/} The Proceedings of the Board of Control of the Ohio Agricultural Experiment station for the year July 1, 1924, through June 30, 1925 p. 31.

most of the members of the staff except those with Extension Service appointments have held joint appointment with the University and the Station. Only a very small number of the staff since 1925 have held full time appointments with either the Department at the University or with the Department at the Station. All joint appointments have been on a twelve month basis in contrast to the usual nine month contract of those with full time University contracts.

Research Activities After the Establishment of the Department
of Rural Economics at The Ohio Agricultural Experiment
Station in 1925

Using as a measure of the volume of research activity in the fields of Agricultural Economics and Rural Sociology, the number of different research bulletins, research circulars, and articles that have been authored by members of the staff of first -- The Department of Rural Economics and currently the Department of Agricultural Economics and Rural Sociology is very significant.

Starting with Professor J. I. Falconer's Bulletin No. 326, The Agriculture of Ohio, published in July, 1918, approximately 900 bulletins of some type have been published. Of these, 700 have been officially numbered. In addition to these a large number of articles of varying lengths have been published in Journals of many types and in regular publications of the College and Station. The number of these would be difficult to determine, but no doubt would be more than double the number of separately published bulletins and circulars.

There have been three major publication series used by the Department for the presentation of the results of its research activities. They are: (1) the numbered research bulletins, (2) the numbered circulars published by the Ohio Agricultural Research and Development Center formerly the Ohio

Agricultural Experiment Station, and (3) the Agricultural Economics numbered series. As of August 1, 1969, the records show the following:

226	Research Bulletins
52	Research Circulars
421	Agricultural Economic (Numbered Series)

Previous to the publications of the Department referred to immediately above were those dealing with the same subject matter growing out of the work of the Department of Cooperation between 1904 and 1915 published by the Ohio Agricultural Experiment Station and those resulting from the early activities of a few members of the Ohio Agricultural Extension Service that were published by that service. These early publications have been covered in some detail in the preceeding section.

A second major part of the research activities of the Department, in addition to that reflected by the publications referred to above is that conducted by the graduate students who have received Masters and Ph.D. degrees in the Department. This aspect of the Department's work is more fully covered in the section on The Graduate Program of the Department.

The committee responsible for the preparation of this report on the history of the Department recognizes the desirability of including an analysis of the research efforts of the members of the Department since its establishment in 1904. An analysis that would enable interested individuals and members of our present staff to obtain a picture of the evolution in the type and variety of problems on which significant research effort has been expended and the research methodologies employed would be highly desirable.

An attempt was made by the committee to make some analysis of the Department's research activities, that would reflect a trend over its first 65 years of life. Almost immediately it became evident that to

produce such a useful classification was beyond both the time available and the scope of the committee's assignment. Such an analysis would be worthwhile and a worthy subject for a Ph.D. thesis.

A complete listing of the titles and authors of all of the research bulletins, research circulars and agricultural economics (numbered series) is provided in the Appendix C.

Agricultural Extension Service Activities
of the Department

Ohio's first organized activity in the nature of agricultural extension education was launched in 1895 with the organization of the "Agricultural Student's Union." Among it's originally stated objectives were -- "to do demonstration work and give talks before Granges and other agricultural organizations." The enthusiasm with which the Union conducted its activities and with which they were received contributed greatly to the establishment of the Department of Cooperative Experiments at the Ohio Agricultural College in 1904. In his "Brief History of the Agricultural College Extension Service at The Ohio State University", Frank C. Dean wrote that "by the time of the annual meeting of the Union on January 15, 1904, the work had grown so popular and extensive that recommendations were passed dividing it into two distinct lines - agricultural experimentation and agricultural extension". In the words of the resolution:

"The experimental work shall hereafter be under the direction of the Agricultural Experiment Station, which shall furnish funds and a director to conduct the work. The work of agricultural extension shall be in the hands of the University subject to their direction, both lines being coordinated and unified by the Agricultural Student's Union which shall act as an advisory board in all matters relating to these two branches, and further whose office it shall be to hold annual meetings of the ex-students and graduates of the Agricultural College who are interested to discuss matters of importance to both institutions and to the agriculture of the state." ^{1/}

^{1/} Frank C. Dean, Brief History of the Agricultural College Extension Service of the Ohio State University, page 4, an unpublished manuscript in a file on History and Development of the Extension Work in Ohio, stored in the Office of the Cooperative Extension in Ohio in the OSU Agricultural Administration Building.

The work of the Department of Agricultural Experiments at the Ohio Experiment Station has been presented in some detail in the section on the research activities. During the eleven years of it's life, its activities could be described as a combination of research and extension.

Concurrently with L. H. Goddard's serving as Chief of the Department of Cooperation at the Ohio Agricultural Experiment Station, A. B. Graham filled the position of "Superintendent of Extension" at the University effective July, 1905. The extension work was attached to the Department of Rural Economics. ^{2/}

On July 1, 1914, the "Cooperative Agricultural Extension Service of Ohio" was created. Prior to this, the extension activities of an agricultural economic and rural sociological nature were logically associated with and through the activities of the Department of Cooperation at the Station. This is reflected in the titles of several of the early circulars published at the Station between 1910 and 1914.

Under the heading "The Subject Matter Specialist," Dean wrote:

"With the resident teaching staff of the agricultural colleges carrying a burden which could not be adequately increased to conduct the rapidly growing extension activities, it has seemed both logical and desirable that a corps of extension specialists be developed who could conduct demonstrations, give talks, and otherwise take immediate charge of the work in their respective lines of subject matter out in the state."

"Such a staff has been developed in Ohio, from one to three men being attached to each of the subject matter departments. Until the fall of 1917 the specialists had offices in Townshend Hall in connection with the central office of the Extension Service. Some of them also had desks in the offices of the subject matter departments, but since stenographic help was provided at the central office, their real headquarters were in Townshend Hall, while they were entirely responsible to

^{2/} Ibid., page 5.

the Head of the subject matter department for which they taught, they were responsible to the Extension Director for their time. Since that date the offices of the specialists have been moved to the several departments of the agricultural college and the specialists have been made responsible to the heads of these departments both for the subject matter which they teach and for their time. The heads of the subject matter departments are in turn responsible to the Extension Director for the general conduct of the different projects,"

Among the specialists listed by Dean was the name of G. N. Dagger as giving Farm Management Demonstrations in 1915. ^{3/}

Practically all of the Department's early extension service work was in the area of Farm Management. The first four extension specialists or subject matter specialists associated with the Department of Agricultural Economics and Rural Sociology were in the field of Farm Management. They were G. N. Dagger (1915), D. D. Hughes (1916), R. F. Taber (1918), and C. R. Arnold (1919).

B. A. Wallace (1921) was the first extension specialist assigned to the Department to work in the area of Agricultural Marketing. Two years later (1923), C. W. Hammans, a livestock marketing specialist and Lester Utz, a farm management specialist, were added to the Department staff. R. B. Tom, the first specialist in the area of Rural Sociology, was employed in 1925 by the Extension Service and assigned to the Department. Two additional farm management extension specialists, Guy W. Miller and K. H. Myers and an "Extension Economist" (Economic Outlook) V. R. Wertz, were employed by the Extension Service, and assigned to the Department in 1926. This brought the Extension Specialists or Subject Matter Specialists in the Department to seven by the end of 1926 - three in Farm Management, two in Agricultural Marketing, one in Rural Sociology and one in Economic Outlook.

During the next ten years, 1927-1936, there was a heavy turn-over of staff. Ten new people were added and seven resigned so that by the end of 1936, there were ten extension service specialists attached to the Department - three in Farm Management, three in Agricultural Marketing, two in Economic Outlook, and two in Rural Sociology.^{4/}

During the next thirty-three years, 1937-1969, the number of people with full time extension service contracts or with joint appointments with college or experiment station staff increased to 21.^{5/}

In the near half century, 1914-1969, since the establishment of the Ohio Agricultural Extension Service, five distinct areas of work have developed within the Department. These are (1) Farm Management, (2) Agricultural Marketing, (3) Rural Sociology, (4) Agricultural Economics, Policy and Outlook, (5) Consumer Marketing and Food Distribution. The following is an attempt to provide the reader with some information about the early work in each of these areas.

^{4/} Three of the ten had joint appointments (teaching and extension contracts). Seven were full time extension personnel. In man year equivalents, the extension part of their work amounted to approximately 9 man year equivalents, the teaching part to about 1 man year equivalent.

^{5/} Thirteen of the twenty-one had joint teaching or research appointments as well as extension service contracts. Eight were full time extension personnel. In man year equivalents, the extension part of their work amounted to approximately 14.5 man year equivalents and the teaching and research part to 6.5 year equivalents.

Farm Management Area

Under the leadership of Guy W. Miller, the extension farm management staff in the early 1940's prepared a summary of "Twenty-five Years of Farm Management Extension in Ohio, 1914-1939." ^{6/} Excerpts from this summary follow:

"The first projects undertaken by the extension service in the State were called Farm Management Demonstrations and were under way in five different counties by the end of 1915. These demonstrations were based upon farm surveys taken by the Farm Management Demonstrator and his assistants in the community where the demonstration was being conducted. The method was one of taking a questionnaire to each farmer in the community and securing from him as much as possible of the details regarding the management of his farm during the previous year. The survey was generally restricted to a single township which was selected as being representative of the region in which it was located. the completed forms were taken to the office of the local county agent or that of the Department of Rural Economics where they were checked for inconsistencies. After this labor incomes were figured, factors computed and results tabulated. Finally the results were printed for distribution at meetings of farm people"

"The first farm management survey in the State was begun in Burton Township of Geauga County on June 7, 1915. Of the 179 records taken, 167 were included in the summary published in Agricultural College Extension Service Bulletin, Vol. XI, No. 2 (1915-16) under the title of "Some Results of the Farm Management Survey in Geauga County, Ohio, Burton Area" by F. L. Allen and J. I. Falconer This first report gave a very concise statement of the purpose of the farm management demonstrations and the method of using surveys. It also was very successful in demonstrating the close relationship between the size of business and efficiency of production and the amount of labor income."

"Farm surveys continued to be taken during the second year of the work (July 1, 1916-June 30, 1917), but account keeping already came in for consideration emphasis, 407 farm accounts having been started in that period. Mr. G. N. Dagger, Farm Management Demonstrator, early stated the object of the work in farm management as being "to show the importance and method of summarizing and analyzing a farm business, and demonstrate the importance of

^{6/} Ohio Annual Report of Results, Farm Management, 1915-1929, Ohio Agricultural Extension Service, Page 3, copy on file in Department Reference Room, Agricultural Administration Building, Ohio State University.

various efficiency factors in farming" As a valuable aid in this work, Mr. Dagger prepared a twelve page leaflet called "Useful Farm Records and Accounts for Studying the Farm Business" ^{2/} which emphasized the reasons for keeping farm accounts, the importance of complete farm inventories and records of cash receipts and expenditures. To point out and discuss some of the fundamental principles underlying the organization of a farm business for profit as demonstrated by actual farm records in the State, Mr. Dagger and Dr. J. I. Falconer prepared a 29-page bulletin entitled "The Organization of the Farm Business for Profit." ^{3/} This leaflet discussed choosing the type of farming, the importance of volume, quality and diversification in organizing a farm business for profit, and the need of a well-balanced farm organization."

"Between July 1, 1915, and June 30, 1916, a total of 796 farms were surveyed in eight counties in the State. (Geauga, Trumbull, Miami, Portage, Washington, Sandusky, Highland and Montgomery)."

"These farm management surveys formed a sort of an entering wedge for farm management extension work in the State - they provided a very satisfactory entree but had several shortcomings. It was found that far less than half of the farmers surveyed kept any definite and tangible record of their business transactions. Under such a situation, the actual value of a survey might be open to serious question so emphasis came to be directed toward the problem of encouraging farmers to keep better records. The actual taking of surveys as a major project in farm management soon began to gradually fall into the background, although the survey method has been used off and on throughout all these years in cases where studies were carried on and it was necessary to get a sample of all the farms in a locality. The year 1923-24 was the last in which farm management surveys were conducted as a regular project."

"In 1916-17 farm account work was first taken up seriously in high schools in the State, three high-schools having requested assistance in farm management work. In the fall of 1918, a new farm account book was prepared by the Farm Management Demonstrators and printed by the Ohio Bankers' Association. In cooperation with the Bankers' Association a plan designed to extend the use of farm account books was initiated. The book was sold at cost to banks which were members of the Association and in the first year 135 local banks in 36 counties distributed books among their patrons."

^{2/} (No. from quoted manuscript) Agricultural College Extension Service Bulletin, Vol. 12, (1916-1917), No. 4.

^{3/} (No. from quoted manuscript) Extension Bulletin, Vol. XIII (1917-18), No. 3, Agricultural College Extension Service, Ohio State University, Columbus, Ohio.

Part of the program was to hold a farm account meeting in each of these communities so that the local banker could talk upon credit relations, a representative of the Internal Revenue Office on income tax, and the county agent on farm management demonstrator could give instructions as to keeping the book and emphasize farm accounts as a means of improving the farm system. . . . By 1920 these meetings had been reorganized somewhat and came to be known as farm account schools (so called-beginners' schools). At these meetings each farmer attending was furnished blank forms similar to the farm account books. Into these forms he entered the receipts and expenses and inventories of an actual farm, the figures for which were given him. After this, each man summarized the record, calculating net income and labor income. This work was very satisfactory from the standpoint of results, since each man did the work himself and therefore understood it much better than if a lecture had been given, and besides he had something definite for reference to take home with him."

"In 1918, Mr. T. D. Phillips prepared a correspondence course of five lessons called "Farm Accounts" and dealing with the principles of bookkeeping as they are related to the farm business. This course is still available to those requesting it in the revised form prepared by Mr. F. L. Morison." (and more recently by R. H. Baker)."

"By 1922 and 1923, the number of farmers summarizing accounts had grown so large that it was impossible to follow them up by personal visits in every case. Consequently a system was developed to mail them letters at timely intervals in order to keep up their interest during the busy seasons. By 1923 and 1924, the preparation of county summaries had come to make up a significant proportion of the farm accounting work. The department worked out a set of normal standards of successful farm management based on farm accounts for various sections of the State. The idea being that record keepers could use these standards to determine the strong and weak points of their business. The general plan was to work out average factors for all the farms in the community as well as for those falling into the high income group. An extra blank column was left in order that the individual farmer could fill in his own figures and then easily compare his business with that of the average in the community as well as with that of the better farms in the community."

"As soon as the farm accounting project got under way the problem of helping farmers summarize their records at the end of the year became more and more important. Although the beginners schools which are designed to help those who are starting farm accounts for the first time have continued to be a major part of the work of the Division, more and more attention has come to be devoted to farm account summary schools (originally known as second year farm account schools)."

"The first summary schools were held in 1921 and each year more were conducted till a peak of 124 which was reached in the fiscal year of 1931-32. For several years there was a decline in the number of summary schools held because the farm management staff was temporarily reduced and at the same time was burdened with a very heavy load of unexpected work in connection with government programs and educational work dealing with the general economic situation. Since 1934-35, the number of summary schools held has been increasing till in 1938-39, 110 was held, this being the largest number for any year except the peak of 1931-32."

". . . . When the work was first begun, the various counties were encouraged to work up annual reports from the farm accounts kept in their respective counties. Only a few records were brought into the central office to be summarized and these were often from sections where the number of accounts kept were too few to warrant a local report being made up. Beginning in 1926, however, special emphasis was placed on having the books summarized in the central office where facilities were prepared to take care of the work. There was consequently a marked upward trend in the number of books brought into the central office for summarization. A peak was reached in 1931-32 and then there was a slight drop for a couple of years when less time was available for farm account work. The number of records summarized has recovered rapidly and in 1938-39, 1,309 books were brought into the central office."

Progress of Farm Account Work

<u>Fiscal Year</u>	<u>Beginners' Schools</u>	<u>Summary Schools</u>	<u>Books Brought into Central Office for Summarization</u>
1920-21	98	3	84
1921-22	109	26	104
1922-23	45	36	131
1923-24	48	41	167
1924-25	61	42	147
1925-26	38	61	135
1926-27	66	50	345
1927-28	104	72	479
1928-29	86	69	678
1929-30	110	84	808
1930-31	106	97	1076
1931-32	87	123	1340
1932-33	35	109	1221
1933-34	45	87	852
1934-35	31	76	940
1935-36	34	94	1193
1936-37	59	93	1047
1937-38	75	108	1052
1938-39	58	110	1309
1939-40			

"In 1939, eighteen different county summaries including a total of 492 records and eleven district summaries including 393 records were prepared from 1938 farm account records. A total of 890 records were included in the nineteen different type-of-farm summaries prepared in 1939."

"The making up of farm business analysis reports each year by the men on the farm management staff did not complete the work of the project. It still remained to get the reports into the hands of the cooperating farmers in order that they might make practical use of them. In the years while the project was in its formative period, most of the reports were given to the cooperators personally by either the farm management demonstrator or the local county agent either in a meeting called for that specific purpose or by special farm visits. This method was very desirable insofar as it made it possible for the specialists to talk over with each individual farmer his personal problems and frequently suggest improvements in practices that would otherwise have gone unnoticed. This method had the added advantages of building up contacts between the farm management men and farmers. This served to give the farmer's more confidence in the farm accounting project and at the same time helped the specialists keep the point of view of the individual farmer. . . ."

The farm accounting and record analysis project so firmly established as an integral part of the farm management extension activity of the Department during the first twenty-five years has continued with modifications and somewhat less emphasis to the present time.

An annual report of the records summarized was prepared each year and distributed to all cooperators. The records also have been used extensively in research projects.

With the increasing commercialization of farming and the growing complexity of accounting for federal income tax purposes the need for a commercial farm account book appeared. To meet this need The Ohio Commercial Farm Account Book was jointly developed by L. L. Arnold, R. H. Baker, L. H. Barnes, R. H. Blosser, E. T. Shaudys, J. H. Sitterley, and G. J. Vollmar; and was published in 1961.

Both the new Commercial Farm Account Book and the Ohio Farm Account Book used for many years with only minor modifications were made available to Ohio farmers. At first because the new book appeared to many to be too

complicated and too costly , adoption was slow but after the first few years the use of the new commercial book expanded rapidly.

In 1964 the summary and analyses of the completed account books sent to the Department was computerized. This materially lessened the clerk work and speeded up the preparation of reports. Approximately 1,000 farm firm business records, kept in the new Ohio Commercial Farm Account Book in 1967 and in 1968, were sent into the Department for analysis. These were summarized according to type of farming and reports prepared for five major groups.

Analysis was made through efforts of recent Farm Management Extension Economists, J. E. Moore, D. R. Miskell, W. G. Harter, R. D. Moore, R. Krofta and D. H. Doster.

In the earlier years the farm accounting project consumed the major part of the farm management extension specialists time and agricultural outlook work most of that which remained. In recent years much more time has been devoted to the growing problem of commercial agriculture such as finances management, property transfer planning, income tax schools, and farm firm organization and planning.

Among succeeding Farm Management Specialists were L. H. Barnes, J. C. Neff, Floyd DeLashmutt, Robert Schwart, Fred Hughes, Neal Carpenter, Glen Vollmar, W. Harter, D. Miskell, R. D. Moore, R. Krofta, and D. H. Doster. Present state staff includes J. E. Moore and Glen Himes.

Another major change has been the development of a system of area farm management agents which has made possible a much closer working relationship between the farmer and the university and experiment station.

Agricultural Marketing Area

It is regrettable that only farm management of the first four areas of extension work in the Department was written up and preserved while individuals who participated in the early work were living. Much of importance will be missed and errors introduced as a result of time lapses and lack of direct contact with the work and early environment.

In the field of Agricultural Marketing, B. A. Wallace, extension specialist, and H. E. Erdmean of the Department's teaching staff carried the entire work. In 1922 C. G. McBride was added to the teaching staff and in 1923 C. W. Hammans was employed by the Extension Service and attached to the Department's staff. Although McBride was employed full time on the college teaching staff, he like many others on the college teaching staff spent significant amounts of time in extension activities when not involved in actual teaching. A division of work quickly occurred with Hammans carrying the work in livestock marketing, Wallace the crop or grain marketing, farm supply business, and the legal and organizational aspects of farmer cooperatives, and McBride handling the dairy marketing work.

Wallace also spent a significant block of time in the area of Business Management for farmer elevators and other cooperatives by assisting them with accounting procedures and analysis of their records as a means of improving their efficiency of operation. For many years Wallace assembled, analyzed, and published an annual summary of the records of a group of farmer elevators.

Wallace was succeeded in the grain and farm supply area in order named by K. D. Peterson, Lowell Folsom, Ross Milner, and John Sharp.

One of C. W. Hammans major projects was connected with the development and operation of livestock auctions in the state. He was succeeded in the field of livestock marketing by Charles Ingraham and Clarence Bowen.

The demand for assistance in Dairy Marketing extension by 1930 exceeded the time that McBride could give to it and Ira Hoddinott was added to the extension specialists staff to work with dairy farmers on their marketing problem. Hoddinott was followed by Paul Young, H. H. Varney, C. F. Christian, R. Pelley, Don Zehr, Karl Kepner, and Bob Jacobson in the order named.

In the early years farmer marketing cooperatives placed heavy demands on the time of the Marketing Extension Specialists. In more recent years private marketing firms have drawn increasingly on the services of the Marketing Extension Specialists. This has been particularly true in the grain and farm supply field.

Rural Sociology Area

Extension work in the area of Rural Sociology as in Dairy Marketing was originally initiated and carried by a member of the teaching and research staff. Professor C. E. Lively, added to the Department staff in 1921, contributed a significant amount of his time for many years to extension activities in the area of Rural Sociology. In 1925 R. B. Tom was employed by the State Extension Service and attached to the Department to assist with the growing demand for assistance in rural community activities. For many years Tom's major emphasis was in the field of rural recreation, an area which has recieved increasing attention in recent years.

In 1928 J. P. Schmidt was added to the staff of extension specialists in Rural Sociology. His work involved the varied aspects of community life, and organizations such as the rural church. Smith's successors in

the order named were Harold Capener. All Orcutt, R. Dimet, E. Rogers, Bond Bible, John Mitchell, and Al Pugh. In recent years the program has expanded into Rural Health, Community Development, Planning and Rural Zoning.

Agricultural Economics Policy and Outlook Area

A brief summary of the early Economic Outlook and Information work of the Department was also prepared by Guy W. Miller, L. H. Barnes and V. R. Wertz. Their interest in this phase of the Department's extension activities was due to their participation in the early development and conduct of the program in the 1920's. The following statement is from their summary: ^{1/}

"In the period up to 1924, the staff in Farm Management was increased by the addition of C. R. Arnold and E. J. Utz. In order to meet the needs of the county agents for economic information a monthly "Fax" letter was put out to county agents and during that year 44 meetings on the hog situation were held with farmers in 19 counties as well as the publication of a Facts Series on the hog situation."

"During 1925 this work expanded to include meetings on the wheat, hog, and dairy situations, supplemented by a weekly talk over the radio station, WEAO. In 1926, Economic Extension Leaders, over a thousand in number in 51 counties in the state, were selected. These leaders received seven economic letters during the year along with the usual number of economic meetings on the hog, wheat, dairy, poultry, and potato situations. In February, 1928, the first issue of "Timely Economic Information" was sent out to a mailing list composed of 4,000 economic leaders, agents, and others. This list has grown to about 16,000 at the present time. It has been issued each month without fail since. This was the first printed leaflet of its type in the U.S. to go direct to farmers. It has the longest continuous circulation."

^{1/} Ohio Annual Report of Result of Farm Management, Page 14, Copy on file in Department Reference Room, Agricultural Administration Building, The Ohio State University.

The economic outlook and information aspect of the Department's extension activities became so firmly established during the 1920's and 1930's that it has continued as one of the most popular of the five major areas of extension work in the Department. During the approximate half century since the first outlook meetings were held its work has broadened in scope, in acceptance, and improvement in methodology of approach and presentation.

The increasing economic and business sophistication of farm people and the complexity and persistence of farm problems soon resulted in a broadening of the work beyond simple economic outlook and price analysis programs. It became evident early in the program that there was a need for improvements in the farmers' knowledge of economics as a help in making wise decisions both in the conduct of their business and in their actions as citizens. Consequently, the program was broadened to include discussions of basic economic principles, agricultural policies, market analyses, foreign trade and other related factors of concern to farm and rural people.

The first formal program was prepared and conducted by V. R. Wertz in the middle 1930's in a series of county and area economic schools with five sessions each. In the past 10 years a series of "seminars" presenting the development of agricultural policies and programs were prepared and conducted by W. Barr and R. S. Dougan and J. S. Bottum. At present time a series of Food and Fiber Seminars, devised to focus attention on the National Commissions report on domestic and foreign policies affecting were presented during 1968-69 by W. Barr and P. R. Thomas. During 1969-70 they will be presented by W. Barr, P. R. Thomas, and H. Hadley with some aid from other state, area, or county staff.

The leadership of the work in the area of economics, policy, and outlook has been provided by and carried forward in the order named by C. R. Arnold, V. R. Wertz, M. G. Smith, Riley Dougan, and Wallace Barr.

Other staff members in this area have included R. S. Dougan, now assistant Director of Resource Development and Public Affairs, and John Bottum, now Leader of Resource Development, Margaret McDonald, Extension Economist in Economic Information provides the information requested by state, area, and county staff, other state and federal agencies, and individuals.

Current publications of this area include the 1) Econogram, a weekly newsletter highlighting economic, agricultural, and public affairs items. It is sent to a mailing list of over 10 million and carried in whole or part by 57 newspapers with a circulation of 1,250,000. It is prepared by W. Barr and M. McDonald and has been without interruption since July, 1950. 2) Annually a "Leaders Handbook" or "outlook Guide" is prepared in this area and produced through the state to leaders who need a handbook to prepare a talk, radio script, or news articles. 3) Economic Information for Ohio Agriculture, a monthly printed publication issued since February, 1928 is one of the principal current publications. It is prepared by various staff members of the department both extension, teaching, and research.

Consumer Marketing And Food Distribution Area^{8/}

Established in 1954, the Consumer Marketing program had as its major objectives the assembly and dissemination of information on prices, supplies, and marketing, of value to consumers. While this is still one of the

^{8/} Prepared by Lois Simonds and Ed Watkins.

objectives of the program, emphasis today is on developing a better understanding of the marketing system among consumers while at the same time helping marketing firms and producers better understand consumer demand.

In the beginning, department staff were located both in Cincinnati and on the campus at Columbus. In Cincinnati, Don Long and Olive Parrish established the program, followed by Anita McCormick and Wallace Dunham. The Cincinnati project was closed in 1960. In Columbus, Lois Whitfield was the first staff member. She, along with Ted Leed, got the program under way. Other staff members have included Chester Swank, Gene Futrell, Paul Thomas, Thomas Bennet, and Lois Simonds who is presently conducting the program.

Although mass media have been the major tools for disseminating information, many other teaching devices have been used including group discussions, consumer panels, tours and individual consultations. Some research has and is being conducted as well as a limited amount of resident instruction.

The Food Distribution program was initiated in 1955 with the objectives of the program related to improving the efficiency of marketing firms and the development of an understanding of the marketing system. The program was initiated by Theodore W. Leed. Other staff members were Richard Bere, Austin Ezzell, and Richard Skinner. Present staff in this area include Vern Vandemark, Bruce Marion, and Ed Watkins.

The early emphasis was on making contact with the food trade through the retail trade groups and individual store operators. Demonstration stores were used to show the advantages of improved practices. On campus conferences were added starting in 1961 and now include the Food Distribution, Frozen Food and Meat conferences. Programs over the state include marketing

of food products for farmers, long range planning seminars, produce clinics and meat programs for the food trade. A business summary and analysis for independent food stores was added in 1966. Research in the area has been concerned with customer analysis, labor relations, meat department costs and productivity, sales forecasting, automation of food retailing, and retail practices in low income areas. At present, one graduate level course is offered in this area.

Extension Publications

There have been three major publication series used by the Agricultural Extension Service for its popular type bulletins to apply results of research and/or present data of factual or informative nature. These include:

- 1) The numbered Extension Service Bulletins (SB)
- 2) The MM or mimeograph or multilith bulletins
- 3) L or Leaflet
- 4) R.P. (North Central Regional Publication authored by Ohio Extension personnel)

Current publications being released at the present time in long time series are:

- 1) Economic Information for Ohio Agriculture, printed monthly from February, 1928-1970.
- 2) Econogram, weekly news sheet. Multilith weekly from July, 1950-1970..
- 3) The Ohio Food Market, multilith weekly 1960-1970. (Succeeded #4)
- 4) Let's Go Shopping, multilith 1954-1960.

As of August 1, 1969 the records show the following:

Service Bulletins	65
MM	76
Leaflets	29
Regional Publications	24
Let's Discuss	9
Facts Series	46
Unnumbered	300

See Appendix D for list of publications.

The Graduate Program of the Department

A course, Rural Economics 10, "Research Work for Graduate Students," was introduced four years after the Department was established in 1904. By 1917 eight of the eleven courses offered in the Department were listed in the college catalogue as open to advanced undergraduates and graduates only. At no time since 1917 have the courses offered by the Department at the advanced undergraduate and graduate levels comprised less than two thirds of the total offering. In recent years courses carrying graduate credit in the Department have comprised more than four out of five of the total offerings with two out of five listed in the 1969-70 catalogue as open to graduate students only.

Graduate work was offered in other areas of the college prior to 1900 and one or two MS degrees were awarded each year during the first decade of the twentieth century. The number has continued to increase steadily.

The need for more advanced work than the BS degree in Agriculture provided was recognized in the 1890's. After Professor T. F. Hunt became dean of the College of Agriculture in 1896, he developed the idea of establishing "a Graduate School of Agriculture". The following statement about his efforts in this connection was carried in the 33rd annual report of the Board of Trustees for the year ending June 1903 under the heading "Graduate School of Agriculture."

"In the report for the year ending June 30, 1901, it was stated that Professor Hunt had presented the American Association of Agricultural Colleges and Experiment Stations with a plan for a National Graduate School of Agriculture and had proposed that the first and opening session of said school should be held at the University. The scheme as recommended was adoptedthe first session of such graduate schoolwas held at The Ohio State University, July 7, 1902.

"Dr. A. C. True of the Department of Agriculture at Washington was chosen as dean, Professor Hunt acted as registrar and 35 of the most eminent men in the country made up the faculty.....Seventy-five students were in attendance coming from 28 states and territories and there were students from Canada and one from the Argentine Republic."

"It continued in session for four weeks."

There was no indication that students who successfully completed the program received credit towards advanced degrees at their respective institutions. Neither was there any record about the offerings given during the 1902 session. However, it may reasonably be assumed that Rural Economics was not overlooked in view of Dean Hunt's strong interest in this field.

Although the first session of the Graduate School of Agriculture was considered a great success and the American Association of Agricultural Colleges and Experiment Stations gave it their support, no other university undertook to provide for another session until 1906 when the second was held at the University of Illinois. In 1908 the third session was held at Cornell and in 1910 the fourth and last session was held at Iowa State College.^{1/}

The first Master of Science degree in the Department was granted in 1915 to Quincy Allen Main. The title of his thesis was "Status of Agriculture of Delaware County, Ohio - A Survey". The nature of the study or who served as his advisor are not known as there is no copy in the OSU library.

During the next ten years 1916-1925, ten Masters degrees were awarded by the Department. The recipients and titles of their theses were:

^{1/} History of the Ohio State University 1870-1910 by Alexis Cope, 1920, page 547.

<u>Year</u>	<u>Name</u>	<u>Title</u>
1916	Spencer, Edwin	The Marketing of Vegetables by Local Growers, Columbus, Ohio; A Study of Market Conditions in Relation to the Production of Vegetables in the Local Environment and Suggestions for Improvement.
1917	Ferguson, D. L.	The Relation of the Negro to the Land.
1917	Lapp, William Henry	Extent of Cold Storage Facilities in Ohio for Agriculture Products.
1917	Morison, F. L.	History of Agricultural Land Values of Ohio.
1917	Rummell, L. L.	The Publication of the Agricultural Experiment Stations in the United States.
1920	Sollenberger, I. J.	The Movement of the Rural Population of Indiana Based on Census Data 1880-1910.
1921	Moomaw, Iar Wilbur	India's Agricultural Problem.
1922	Ewing, Selwyn Bright	Co-operative Livestock Shipping Associations in Ohio.
1923	Starkey, S. L.	A Study of Co-operative Livestock Marketing in Ohio.
1925	Henning, George F.	Factors Influencing the Operation of Ohio Cooperative Livestock Shipping Associations.

From 1925 on the number of Masters degrees granted by the Department increased rapidly, reaching a peak of 27 in 1959. Except for the effect of the war during the five years 1942 to 1947 there have been only three years in the past fifty when there were fewer than three MS degrees awarded in any one year. During the entire period 1915 through June 1969 a total of 418 Masters degrees have been granted by the Department. The recipients and titles of their theses are listed chronologically in the Appendix E.

The first Ph.D. degree granted by the Department was awarded to Paul G. Minneman with Professor J. I. Falconer serving as advisor. The title of his Doctoral Dissertation was "Large Land Holdings in Ohio and Their Operation." Minneman was also the first student to be awarded both the M.S. and Ph.D. degrees in the Department. The title of his M.S. thesis 1926 was "Labor Organization on Large Farms in Ohio." As a part of his doctoral program he spent 1927 at the University of Breslau, Germany,

During the next ten years, 1930-1939; the Department awarded four Ph.D. degrees with Professor Falconer serving as advisor in each case. The recipients and the titles of their dissertations were:

<u>Year</u>	<u>Name</u>	<u>Title</u>
1930	W. B. Stout	An analysis of Direct Packer Marketing of Hogs in Ohio.
1933	G. F. Henning	The Motor Transportation of live-stock in Ohio.
1936	H. G. Kenestrick	Some Economic Factors Affecting the Establishment of Former All Day Students of Vocational Agriculture in Ohio in Farming.
1939	C. W. Hauck	Tests of Reliability of Brands and Retail Prices as Guides to the Quality of Selecting Fresh and Canned Fruits and Vegetables.

Since 1939 except for the five years most acutely affected by the second World War, one or more Ph.D. degrees have been awarded each year. The maximum in any one year in 1964 when 16 students received such degrees in the Department. During the forty years from 1929-1969, a total of 161 Ph.D. degrees were awarded by the Department.

M.S. and Ph.D. Degrees Awarded by Years^{1/}

Year	M.S.	Ph.D.	Year	M.S.	Ph.D.
1915	1		1943	1	
1916	1		1944	0	2
1917	4		1945	1	
1918			1946	2	
1919			1947	8	2
1920	1		1948	10	1
1921	1		1949	12	1
1922	1		1950	4	3
1923	1		1951	9	2
1924			1952	8	3
1925	1		1953	6	5
1926	5		1954	5	3
1927	7		1955	8	1
1928	7		1956	15	3
1929	6	1	1957	14	8
1930	5	1	1958	22	5
1931	10		1959	27	9
1932	6		1960	26	11
1933	3	1	1961	21	9
1934	1		1962	14	8
1935	3		1963	21	13
1936	3	1	1964	23	16
1937	2		1965	20	9
1938	9		1966	18	9
1939	2	1	1967	13	13
1940	5	1	1968	15	14
1941	4	2	1969*	5	3
1942	1			<u>418</u>	<u>161</u>

* January to June 30.

^{1/} The recipients, advisors and titles of dissertations are listed chronologically in Appendix E.

The importance of one man to the graduate work of the Department should be mentioned. Dr. J. I. Falconer served as major professor and signed all Ph.D. dissertations until 1949. He also directed practically all of the MS. programs until about 1927. Of the first twenty-five Ph.D. degrees awarded by the Department, Dr. Falconer was the advisor for twenty-one. During the period 1929-1969 twenty-three members of the staff served as the

major professor and signed dissertations for one or more Ph.D. students. Of these, Professors Falconer, Henning, Mangus, Sherman, and Smith each served as major professor and signed the Ph.D. dissertation of ten or more students.

Any attempt to classify theses and dissertations by subject matter ends in frustration because of the extremely wide variety of subjects researched. Only 14 Ph.D. dissertations bear a date prior to 1950. This means that over 90% have been granted from 1950 through 1969 which is a very short time and not too much change in basic problems occurred to affect research. Somewhat more dependence on statistical refinement of data appears in more recent dissertations. Since a high percentage of theses and dissertations were based on Department research, there has been a close relationship between the two.

Of the 161 Ph.D. degrees conferred, 33 were to foreign students and of the 418 M.Sc. degrees, 49 were to foreign students. The first M.Sc. degree conferred on a foreign student was to Hubert Montagnac from France in 1930. The next was in 1948 when Abdurrahman Sezgin from Turkey was awarded a M.Sc. degree. The first Ph.D. degree awarded to a foreign student was to Nevzat Gulpinar of Turkey in 1950. Since then, foreign students have constituted a significant percentage of our students, accounting for 22% of all Ph.D. degrees and 16% of all M.Sc. degrees. In addition to this the Department has serviced well over 100 foreign students on short time programs where no regular degrees were conferred.

Ten of the Ph.D. degrees and 63 M.Sc. degrees have been in the Rural Sociology field.

When the first two courses to carry graduate credit in the Department were introduced in 1908, there were no announced requirements or pre-requisites for graduate work given. No reference was made to prerequisites until 1914 when the catalogue carried the following statement. "Pre-requisite for graduate work in the Department is one year of study in Farm Management and Agricultural Economics." Three years later the statement was revised as follows, "The prerequisites for graduate work in the Department are an acceptable course in the principles of Economics and one year's study of Farm Management and Agricultural Economics. The following courses are open to advanced undergraduates and graduates only - 102, 105, 110, 111, 113, 114, 201, 202."^{2/} Each of these courses had one or more prerequisites with three of them requiring R.E. 104 Agricultural Economics which in turn had as a prerequisite Economics 135 and R.E. 110 required 104 and Sociology 101.

Except for occasional changes in the list of courses open to advanced undergraduates and graduates only, no further changes occurred in pre-requisite requirements for graduate work in the Department until 1925 at which time the statement in the catalogue was revised to read, "The prerequisites for graduate work in this Department are an acceptable course in the principles of Economics or Sociology and one year's study of Farm Management and Agricultural Economics or Sociology."

^{2/} The courses designated by these numbers were:

102	Advanced Farm Accounting
105	Historical and Comparative Agriculture
110	Rural Community Life
111	Advanced Farm Management
113	Rural Economic Organization
114	Land Tenure
201-202	Research Work

In the 1932-33 catalogue general prerequisites for the 600-799 courses and the 800 or above were introduced. These were carried with only slight modification until recent years. In addition to the University's statement on general prerequisites the Department continued to carry the statement as revised in 1925 until in 1939 when it was dropped and only the general statement of the University was used.

Prior to the mid 1950's no specific course program was prescribed by the Department for either the M.S. or the Ph.D. student. The program of course work to be completed was almost entirely established by the faculty advisor and student. The need for a sound background in economic or sociological theory and principles and statistical methods and procedures was recognized and adhered to although a specific list of courses and credit hours were not designated by the Department. The Ph.D. programs were built around a core of courses considered essential by the advisor to qualify the student to pass a general examination by a committee consisting of at least two and often three members drawn from the departments of Economics, Business Organization, or Sociology and two or three members from the staff of Agricultural Economics and Rural Sociology.

With the rapidly expanding load of graduate students and the increasing size of the Department's graduate faculty it became evident in the early 1950's that a more systematic approach to the handling of graduate students was desirable. Consequently, in 1956 with Department approval, there was established a graduate committee of five members consisting of the chairman of the Department and one member of the graduate faculty from each of the four major subject matter areas in the Department.

In the 1960 edition of the publication, "Graduate Work in the Department of Agricultural Economics and Rural Sociology", the responsibilities of the committee were spelled out as follows:

"The Department Graduate Committee is primarily the executive committee of the graduate faculty of the Department. It carries on routine operations related to graduate work and proposes improvements in such work for consideration by the graduate faculty of the Department. It coordinates graduate work within the Department, assists members of the graduate faculty and represents the Department in performing certain specific functions related to operation of the Graduate School as designated in the Graduate School Bulletin or in the Graduate Faculty Handbook. The Graduate Committee does not replace the graduate faculty member in directing the work of the graduate student."

With the creation of the Departmental Graduate Committee, the graduate faculty reorganized its advisory system, redefined its departmental prerequisites for graduate work and began to set up some minimum basic course requirements for both the M.S. and Ph.D. degrees.

The redefined departmental prerequisites for graduate work in Agricultural Economics were as follows:

"Principles of Economics - OSU- equivalent of Economics 401 and 402...
5 hours of Money and Banking - OSU-equivalent of Economics 520
Statistics - OSU equivalent of Economics 522
an additional 25 hours from at least four of the following areas:
Accounting, Anthropology, Business Organization, Economics,
Geography, History, Mathematics, Political Science, Psychology,
Sociology."

In 1958 the statement on Departmental prerequisites omitted the part specifying 25 hours in at least four of the ten designated areas and replaced it with "a candidate may be required to make up other deficiencies in his undergraduate training in such subject matter areas as Money and Banking, Accounting, Mathematics, Foreign Trade, etc." For those specializing in the Rural Sociology graduate programs a somewhat modified requirement was developed by their graduate faculty.

The minimum specific program established by the graduate faculty in 1956 for the M.S. degree in Agricultural Economics was as follows:

"Minimum of 6 hours from the Economics series 707, 708, 709
Minimum of 4 hours of Statistics from the Economics series 710, 711, 712 or B.O. 614 or Zoo. 630; Economics 605-Agricultural Policy; Economics 710-Agricultural Economic Theory; Agricultural Economics 810-Research Methods; and Agricultural Economics 900 (Seminar)."

A similar minimal basic program was developed for an M.S. degree in Rural Sociology.

The minimum established the same year for the Ph.D. in Agricultural Economics called for a total of forty hours of specifically required courses. It required the completion of the Economic series 707, 708, 709 and the series 710, 711, and 712; the Business Organization series and Economics series 801, 802, 803 plus Agricultural Economics 605, 710, 810 and 900 as specified for the M.S. degree, a total of forty hours of specifically required courses. The minimal program developed for both the M.S. and Ph.D. degrees in Rural Sociology was less specifically defined than those established for Agricultural Economics.

Except for minor changes and updating to accommodate changes in course numbers, no further significant alternations were made in either the M.S. or the Ph.D. programs in Agricultural Economics until 1964. However, more definite requirements were developed for the advanced degrees in Rural Sociology. In 1958, at the Ph.D. level the graduate program in Rural Sociology, including the courses required at the Masters level called for:

"a major in rural sociology courses (min. 20 hours), a major in research methods (min. 20 hours), and three minor fields (min. 36 hours). One minor field must be in sociological theory including Sociology 629 (General Sociology) and the Sociology series 805, 806, 807 (Development of American Sociology) or the sequence 661, 662 663 in the Sociology Department."

In 1964 the specific requirements for the Ph.D. in Agricultural Economics were increased and spelled out in greater detail and for the first time since the Ph.D. was offered, a minimum 12-hour requirement in each of two speciality areas was established. Free electives were dropped from 40 credit hours permitted the student in 1962 to 13 hours in 1964. Most of this reduction resulted from the establishment of the two speciality areas. Only minor modifications were made in the M.S. program in 1964 which continued to consist of an 18 hour block of required basic courses and 19 hours of electives.

The Rural Sociology program for neither the M.S. nor Ph.D. degree changed significantly in 1964 in respect to the total hours in the different blocks of requirements, however, some changes were made within the respective blocks.

Between 1964 and 1969, a non-thesis program for the M.S. degree was established that replaced the 8 hour maximum thesis credit with 13 additional hours of electives. A Master of Business Administration degree in Agricultural Economics was also developed.

In 1968 the Graduate School dropped the language requirement for the Ph.D. degree and each department was permitted to eliminate or replace it. The graduate faculty of the Department elected to replace it with the following 12 hour language option. "Twelve credit hours (graduate and/or undergraduate) of related course work will be completed in a language or in another study area. The language or the study area selected must be approved by the Department Graduate Committee. Typically, study areas which have been selected are additional Mathematics, Mathematical Statistics, Political Science, Sociology and Business Administration."

For many students the replacement of the Graduate School foreign language requirement with the 12 hour departmental language option adds an additional quarter of course work.

In 1969 the only change in the Agricultural Economics M.S. program was a one hour increase in basic course requirements resulting from changes made in credit hours carried by some courses in the Economics Department.

At the Ph.D. level, the basic course requirement was modified in 1969 by replacing an Agricultural Economics course (806) with Economics 820 (Monetary Theory) and by an increase of two hours in the "Research Methods" group as a result of changes made in credit hours carried by some courses in the Economics Department. New prerequisites introduced by them in two of their courses listed in our Economic Theory requirements expands the Mathematics course work required by Agricultural Economics Ph.D. students. In some cases, this amounts to 15 to 20 hours.

No significant changes were introduced into the Ph.D. program in Rural Sociology between 1958 and 1969 other than the periodic updating of the courses required within the major and minor areas. When the language requirement was eliminated by the Graduate School it was not replaced in the Rural Sociology Ph.D. program with a language option of the type adopted for the Agricultural Economics Ph.D. student.

As a result of the thinking of the graduate faculty and work of the Graduate Committee over the period 1955-1969, the Department's programs for the Ph.D. degrees in Agricultural Economics and in Rural Sociology have become more rigidly defined, mathematical, and uniform than in the earlier years when individual faculty advisors working with the students custom built each program.

APPENDIX A

COURSE OFFERINGS IN AGRICULTURAL ECONOMICS
AND RURAL SOCIOLOGY BY SUBJECT
MATTER AREAS 1892 - 1969

COURSE OFFERINGS IN AGRICULTURAL ECONOMICS
AND RURAL SOCIOLOGY BY SUBJECT MATTER AREAS

1892-1969

The subject matter areas within the Department have been divided into two broad groups - Agricultural Economics offerings and Rural Sociology offerings. Within each of the two broad groups, identifiable subject matter areas have been listed in chronological order in which they were developed within the Department, from earliest to latest. The date at which the first course in the area was offered was used to establish the date for the area. As course names were changed and as courses were added in each respective area these were listed in the order in which changes and additions occurred.

The different numbers carried by each respective course preceeds the name of the course with the earliest number on the left and the latest on the right.

Subject Matter Areas Within Agricultural Economics

History & Trends in Agricultural Economic Development (1892-1969)

<u>Date</u>	<u>No.</u>	<u>Name</u>	<u>Cr. Hrs.</u>
1892-1896	no no.	Rural Economy	4
1896-1904	16	History of Agriculture and Rural Economics	4
1904-1909	4	History of Agriculture and the Literature of Agriculture	4
1909-1920	105	Historical & Comparative Agriculture	3
1947-1959	420	Trends in Agriculture	5
1959-1969	420, 100	Economic Development of Food and Agriculture	5
1968-1969	199	Agricultural Economics in a Changing World	5

Farm Management (1904-1969)

1904-1969	2, 103, 402, 502, 410	Farm Management (4-yr. under grad)	4
1907-1932	---	Winter short course in Farm Management and Bookkeeping (10 weeks)	
1907-1920	1, 102	Farm Management (2 & 3 year short course)	4
1914-1921	111	Advanced Farm Management	2
1914-1920	52	Farm Management (3 year course in Agriculture)	4
1932-1967	602	Advanced Farm Management	5
1966-1969	610	Farm Organization	5

<u>Date</u>	<u>No.</u>	<u>Name</u>	<u>Cr. Hrs.</u>
1967-1969	411	Farm Management for Developing Countries	5
1964-1969	830, 810	Advanced Farm Organization & Resource Management	3
1967-1969	811	Seminar in Farm Organization & Management	2-4

Agricultural Economics - Principles & Theory (1904-1969)

1904-1947	6, 104, 401 501	Agricultural Economics	3
1947-1957	710	Agricultural Economics	3
1957-1964	815	Advanced Agricultural Economics	3
1964-1969	820, 805	Economics of Agricultural Production	3
1964-1969	821, 806	Advanced Economics of Agricultural Production	3
1967-1969	807	Seminar in Agricultural Economic Theory	2-4

Farm Accounts & Records (1908-1969)

1908-1921	8, 101	Farm Accounts & Records	2
1914-1920	51	Farm Accounts & Records (for 3 year course in Agriculture)	4
1915-1921	102	Advanced Farm Accounting	2
1921-1929	102, 602	Farm Cost Accounts	2
1921-1933	403	Farm Bookkeeping & Business Records	2
1959-1969	510, 412	Farm Records & Analysis	5

Research Work for Graduate Students (1908-1969)

1908-1916	10, 107 108	Research Work for Graduate Students	5-10
1916-1969	201, 202 801, 950 999	Research Work (graduates)	3-10

Cooperation in Agriculture (1914-1969)

1914-1920	53	Cooperation in Agriculture (for 3 year course)	4
1918-1969	116, 603, 541	Cooperation in Agriculture (for 4 year course)	3

Land Economics (originally, Land Tenure) (1915-1969)

1915-1933	114, 604	Land Tenure	3
1937-1969	615, 531	Land Economics	3
1949-1969	618, 518	Farm Appraisal	3
1957-1969	897	Interdepartmental Seminar in Natural Resource Conservation	1
1967-1969	833	Seminar in Land Tenure, Agrarian Reform & Agricultural Development	2-4
1961-1969	697, 680	Natural Resource Problems, Programs and Policies	4
1964-1969	850, 831	Advanced Land Economics	3

Agricultural Marketing (1918-1969)^{a/}

1918-1927	113, 404	The Distribution of Farm Products	3
1927-1969	613, 420	Marketing of Farm Products	5
1919-1927	120, 601	Accounts for Country Elevators & Marketing Organizations	3
1926-1969	614, 540	Business Management in Agricultural Marketing	3
1927-1969	625, 608 522	Livestock Marketing (cross listed in Animal Husbandry & RE)	5

^{a/} A course in Livestock Marketing was introduced and offered in 1903 in "Livestock Markets and Commerce" by the Animal Husbandry Department until 1916 at which time it was replaced by "Livestock Markets and Marketing." In 1926 it was again renamed "Marketing of Farm Animals." It was not until 1932 that the responsibility for instruction shifted to Rural Economics.

1927-1933	626, 526	Marketing Dairy Products (cross listed in Dairy Science & RE)	3
1927-1969	627, 633, 523	Grain Marketing	3
1930-1969	628, 528	Marketing of Fruit & Vegetables (cross listed in Horticulture & RE)	5
1936-1969	603, 620, 621, 521	Poultry Marketing (cross listed in Poultry Science & RE)	5
1948-1969	803 (RE), 900E, 821	Seminar in Marketing Farm Products	2-4
1958-1962	799	Livestock Marketing Workshop	4
1962-1969	713, 620	Marketing Organizations in Agricultural Industries	4
1964-1969	840, 820	Agricultural Marketing	3
1967-1969	695	Seminar in Agricultural Business Management	3

Special Problems (1920-1969)

1920-1967	121, 609, 701	Special Problems	3-15
1967-1969	593	Individual Studies	2-5
1969-	693	Individual Studies	2-5
1967-1969	594	Special Group Studies	1
1969-	694	Special Group Studies	2-4
1967-1969	883, 993	Individual Studies	2-5

Agricultural Policy (1921-1969)

1921-1949	605	The Agricultural Industry	3
1949-1969	605, 530	Agricultural Policy	3
1964-1967	860	Advanced Agricultural Policy	4
1967-1969	830	Agricultural Policy	4
1968-1969	H539	U. S. Price & Income Policy	5

Prices of Farm Products (1924-1969)

1924-1969	612-502	Prices of Farm Products	3
1967-1969	804	Seminar in Agricultural Price Analysis	3

Agricultural Credit (1938-1969)

1938-1954	610	Agricultural Credit	3
1954-1969	610, 516	Agricultural Finance	3
1967-1969	716	Agricultural Finance	3
1967-1969	816	Seminar in Agricultural Finance	2-4

Food Economics (1949-1969)

1949-1969	616, 534	Food Economics	3
1964-1969	711, 740	Food Merchandising	4
1967-1969	834	Seminar in Food Economics	2-4

Research Methods in Agricultural Economics (1952-1969)

1952-1969	810, 811, 800	Research Methods in Agricultural Economics	3
1958-1969	900C, 803	Seminar in Linear Programming	2
1967-1969	801	Seminar in Problems in Agricultural Economic Statistics	3
1967-1969	802	Quantitative Methods in Agricultural Economics	3

Foreign Agricultural Development (1956-1969)

1956-1969	650, 532	Foreign Agricultural Development	3
1967-1969	632	Economic Techniques for Foreign Agricultural Development	3
1967-1969	832	Seminar in Economic Development of Foreign Agriculture	2-4
1968-1969	633	Economic Development in Latin America	3

Subject Matter Areas Within Rural Sociology

General Rural Sociology (1913-1969)

1913-1925	110, 405	Rural Community Life	3
1914-1920	54	Rural Community Life (for 3 year short course)	
1925-1933	405	Sociology of Farm Folk	3
1933-1956	606	Rural Sociology	3
1956-1969	405, 105	Introduction to Rural Sociology	5
1956-1969	606, 600	Advanced Rural Sociology	5

Rural Social Organization (1921-1969)

1918-1921	118	Rural Community Development	3
1921-1925	603	Rural Social Outlook	3
1925-1943	608	Rural Social Environment	3
1921-1926	607	Rural Organization	3
1926-1969	607, 609 316	Rural Social Organization	3
1969	901, 996	Seminar on Social Organization and Administrative Problems	2-4

Rural Leadership (1937-1969)

1937-1954	506	Rural Recreation Leadership	3
1954-1969	506, 317, 342	Rural Leadership	3
1969-	901, 996	Seminar on Rural Leadership	2-4

Rural Family (1945-1969)

1945-1959	611	Rural Youth & Social Adjustment	4
1958-1969	630, 310, 320	The Rural Family	4
1969-	901, 996	Seminar on Rural Family	2-4

Research in Rural Sociology (1946-1969)

1946-1969	950, 999	Research in Rural Sociology	
1959-1967	701	Special Problems	3-5
1967-1969	701, 593	Individual Studies	3-5
1967-1969	693	Individual Studies	3-5
1969-	901, 996	Seminar on Research Methods in Rural Sociology	2-4

Rural Sociology Seminars (1956-1969)

1956-1967	901, 996	Seminars in Rural Sociology	2-5
1969-	996	Seminar on Rural Health	
1969-	996	Seminar on Rural Community and Institutes	
1969-	996	Seminar on Rural Church	
1969-	996	Seminar on Farm Organization	
1969-	996	Seminar on Rural Population	
1969-	996	Seminar on Rural Community Development	

Diffusion of Information (1959-1969)

1959-1969	640, 421 562	Diffusion of Information on Agricultural Technology	3
1969-	901, 996	Seminar on Diffusion Technology	2-4

Rural Sociology of Foreign Areas (1962-1969)

1962-1969	660, 422, 662	Rural Sociology of Developing Societies	3
1969-	996	Seminar on Sociology of Foreign Areas	2-4

APPENDIX B

MEMBERS OF THE STAFF OF THE
DEPARTMENT OF AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY
WITH DATES OF APPOINTMENT AND TERMINATION 1904-1970

(Instructors or above)

(Names arranged in approximate order of addition to staff)

<u>Name</u>	<u>Date of Start</u>	<u>Date Terminated</u>
T. F. Hunt	1892 <u>1/</u>	1903
H. C. Price	1903 <u>1/</u>	1916
T. D. Phillips	1910	1919
J. I. Falconer	1914	1953
P. L. Vogt	1915	1917
G. M. Dagger	1915	1922
L. O. Lantis	1917	1922
D. D. Hughes	1917	1920
H. E. Erdman	1918	1922
R. F. Taber	1918	1926
F. L. Morison	1919	1944
C. R. Arnold	1919	1934
J. F. Dowler	1920	1933
Z. B. Wallin	1921	1922
B. A. Wallace	1921	1946
C. E. Lively	1921	1937
C. G. McBride	1921	1952
Lester Utz	1923	1925
C. W. Hammans	1923	1957
G. F. Henning	1924	1966
R. B. Tom	1925	1952
L. G. Foster	1925	1934
G. W. Miller	1926	1960
Russell Moore	1926	1960
C. W. Hauck	1926	1946
K. W. Myers	1926	1928
Wade Wehr	1927	1927
Y. R. Wertz	1926	1960
Phil Beck	1926	1933
J. P. Schmidt	1928	1957
John Sitterley	1928	P. <u>2/</u>
L. H. Barnes	1928	1962
J. C. Neff	1928	1932
Margaret McDonald	1929	P. <u>2/</u>
Ira Hoddinott	1930	1932
R. W. Sherman	1930	P. <u>2/</u>
Paul Frankhouser	1930	1934
R. C. Smith	1929	1933
Robert Straszheim	1930	1931

1/ Taught Rural Economics prior to the establishment of the Department in 1904.

2/ Present Member of the Staff

<u>Name</u>	<u>Date of Start</u>	<u>Date Terminated</u>
E. D. Tetreav	1931	1933
Paul A. Young	1932	1935
Floyd DeLashmutt	1934	1952
H. H. Varney	1935	1942
Ernest Heiby	1936	1942
R. H. Baker	1937 - 1943	1946 - P.
R. H. Blosser	1937 - 1942	1949 - 1967 (died)
Phil S. Eckert	1938	1942
A. R. Mangus	1939	1969
Robert Headington	1939	1946
Warren Schmidt	1939	1944
C. F. Christian	1943	1953
Elmer Baumer	1945	1966
R. A. Bailey	1946	P.
Mervill Evans	1946	1955
F. B. McCormick	1947	P.
K. D. Peterson	1946	1952
Sewell Millikin	1946	1949
Ron Pollock	1947	1959
Robert Schwart	1947	1958
M. G. Smith	1948	1966
W. A. Wayt	1948	P.
John Sharp	1949 - 1963	1965 - P.
Ray Scott	1949	1952
Ivan F. Nye	1949	1951
Glen Mitchell	1950	1960
E. T. Shaudys	1950	P.
Wade Andrews	1951	1962
Ted Leed	1951	1958
H. C. Williams	1952	P.
M. E. Cravens	1952	P.
Wilber Bruner	1952	1959
Lowell Folsom	1952	1956
Fred Hughes	1952	1954
Albert Levak	1952	1953
R. O. Olson	1952	1961
Riley Dougan	1953	1964
Robert Pelley	1953	1956
Richard Bere	1953	1957
Harold Capener	1953	1964
Merton Oyler	1953	1964
Ross Milner	1954	P.
Clarence Bowen	1954	P.
Neal Carpenter	1954	1965
George Futhey	1954	1955
Olive Parrish	1954	1957
Don Steward	1954	1963
Loa Whitfield	1954	1955
Wallace Barr	1955	P.
Ralph Kline	1955	1956
Jim Lewis	1955	1960

<u>Name</u>	<u>Date of Start</u>	<u>Date Terminated</u>
Al Orcutt	1955	1958
Chester Swank	1955	1960
Robert Tompkin	1956	P.
T. T. Stout	1955 - 1956	1961 - P.
Robert Dimit	1956	1963
Harold Ecker	1956	1959
Jones Jeffries	1956	1966
Saad Nagi	1956	1962
Richard Newberg	1956	1962
Vern Vandemark	1956	P.
Lester Arnold	1957	1961
Charles Ingraham	1957	P.
Don Long	1957	1959
Anita McCormick	1957	1960
Robert Reeser	1957	1968
Ev. Rogers	1957	1963
Kay Wilson	1957	1957
Don Zehr	1957	1961
Austin Ezzell	1958	1962
Robert Havener	1958	1958
John Mitchell	1958	P.
Lois Simonds	1958	P.
Bruce Marion	1959	P.
Jim Kendrick	1959	1962
Russ McDonald	1959	1960
Randall Reed	1959	1960
Ed Royer	1959	1967
Glen Vollmar	1959	1962
Vern Patterson	1959	1959
Bond Bible	1960	1963
Joe Crymes	1960	1962
Gene Havens	1960	1962
Karl Kepner	1960	1964
Mike Turner	1960	1964
Wallace Dunham	1960	1960
J. R. Eshelman	1961	1962
Dan Padberg	1961	1964
Francis Walker	1961	P.
John Bottum	1962	P.
D. H. Doster	1962	1967
Glenn Himes	1962	P.
Ray Kroffa	1962	1966
Gerald Owens	1962	1966
Harry Potter	1962	1962
Richard Skinner	1962	1966
Walter Harter	1963	1968
John Moore	1963	P.
B. H. Pentecost	1963	1964
Paul Thomas	1963	P.

<u>Name</u>	<u>Date of Start</u>	<u>Date Terminated</u>
Bill Vastine	1963	1966
Robert Welsh	1963 - 1965	1967 - P.
Thomas Bennett	1964	1966
Harry Feldman	1964	1965
Robert Jacobson	1964	P.
Don Osburn	1964	1966
William Flinn	1965	1965
Ted Jones	1965	1969
Don Moore	1965	1968
Norm Rask	1965	P.
Fred Rafeld	1965	1968
Will Rushton	1965	1966
G. W. Burkhart	1965	1968
Howard Steele	1965	P.
Ed Darrow	1966	P.
Dale Adams	1966	P.
Howard Phillips	1966	P.
Al Pugh	1966	P.
Ed Watkins	1966	P.
Dave Hahn	1967	P.
Dave Miskell	1967	1969
John Pierce	1967	P.
D. H. Boyne	1967	P.
Kelso Wessel	1968	P.
Leroy Hushak	1968	P.
Patrick Boles	1968	1969
Bernard Erven	1969	P.
Ralph Baker	1969	P.
Herbert Hadley	1969	P.

APPENDIX C

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY
RESEARCH PUBLICATIONS

PUBLISHED BY THE OHIO AGRICULTURAL RESEARCH
AND DEVELOPMENT CENTER
1918 - 1969

AND

PUBLISHED AS NUMBERED MIMEOGRAPH BULLETINS
BY THE AGRICULTURAL ECONOMICS AND
RURAL SOCIOLOGY DEPARTMENT
1928 - 1969

Department of Agricultural Economics and Rural Sociology
Research Bulletins

326	Ohio Agriculture (1918)	Falconer
331	The Farmers Elevator Movement in Ohio (1918)	Erdman
342	Organization Among Ohio Farmers (1920)	Erdman
348	Methods of Renting Land in Ohio (1921)	Falconer
365	Prices of Ohio Farm Products (1923)	Falconer
375	Cooperative Livestock Marketing in Ohio (1924)	Wallace
383	The Tractor on Ohio Farms (1925)	Morison
396	Variations in Costs of Producing Corn, Wheat, and Other Crops in Greene County (1926)	Falconer, Dowler
409	Market Movements of Livestock in Ohio (1927)	Henning
412	Rural Health Facilities of Ross County (1927)	Lively, Beck
416	Economic Aspects of Ohio Farmers' Elevators (1927)	Foster
418	The Apple Industry of Ohio (1928)	Hauck
419	Livestock Production Costs in Greene County (1929)	Dowler
424	Dairy and Other Livestock Production Costs in Medina County (1928)	Morison
425	Public Revenue in Ohio with Special Reference to Rural Taxation (1928)	Moore, Falconer
427	A Business Study of the Ohio Poultry Producers' Coop. Association (1928)	Foster
438	Losses in Shipping Ohio Livestock (1929)	Henning
440	The Truck and Its Relationship to Livestock Marketing in Ohio (1929)	Henning
442	Ohio Agricultural Statistics, 1928 (1929)	Ray
443	Farmers' Produce Markets in Ohio (1929)	Hauck
450	Estimated Income from the Ohio Agricultural Industry (1930)	Wertz
453	Variations in Crop Production Costs in Medina County, Ohio (1930)	Morison
458	Some Factors Affecting the Movement of Ohio Wheat (1930)	Foster

459	Taxation as related to the Property & Income of Ohio Farmers (1930)	Moore
460	Ohio Agricultural Statistics, 1929 (Oct. 1929)	Ray, Tuttle
467	Movement of Open Country Population in Ohio (Nov. 1930)	Lively, Beck
468	Family Living Expenditures on Ohio Farms (1930)	Lively
469	The Development of Market Milk Areas in Northeastern Ohio (Nov. 1930)	McBride
474	A Study of Certain Cash Expenditures of Ohio Families (1931)	Brinton
481	Some Factors Causing Variations in Crop Production Costs in Putnam County (July 1931)	Dowler
485	Land Utilization in a Southeastern Ohio County (Aug. 1931)	Sitterley, Moore, Falconer
489	Movement of Open Country Population in Ohio (Sept. 1931)	Beck, Lively
491	The Combination Harvester-Thresher in Ohio (Oct. 1931)	Silver, Sitterley
495	Variations in Livestock Production Costs and Returns in Putnam County (Dec. 1931)	Dowler
498	A Market Analysis of Farm Sales of Milk to Dealers in Four Ohio Cities (Feb. 1932)	Sherman, McBride
503	Ohio Agricultural Statistics, 1929-30-31 (Aug. 1932)	Tuttle
504	Marketing Cannery Tomatoes on Grade in Ohio (Aug. 1932)	Hauck
505	Factors Influencing the Dressing Percentage of Hogs (Aug. and Sept. 1932)	Henning, Stout
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121	Agricultural Income by Counties, 1938 (1939)	Wallrabenstein
122	Farmers Elevators, 1938-39 (1939)	Wallace
123	Quality and Retail Prices of Ohio Packed Vegetables (1939)	Hauck
124	Economic Effects of Soil Conservation, Salt Creek (1940)	Blosser
125	Hill Land and People in Ross County, Ohio (1940)	Moore
126	Cooperative Poultry and Egg Marketing in Ohio (1940)	McBride & Baker
127	A Study of Legume Grass Silage on Ohio Farms (1940)	Morison
128	Economic & Social Implications of the SCS Program (1940)	Blosser
129	Experimental Program in Licking County, Ohio (1940)	Morison
130	Agricultural Income by Counties, 1939 (1940)	Wallrabenstein
131	Farm Sales of Ohio Milk (I through VII) (1941)	McBride & Sherman
132	Cooperative Marketing of Ohio Potatoes (1940)	Hauck
133	Farmers Elevators, 1939-40 (1940)	Wallace
134	Forms for Developing a Farm Plan (1940)	Sitterley
135	Agriculture & Land Use as Affected by Strip Mining (1940)	Moore & Headington
136	The Licking County Agricultural Conservation Program in 1940 (1941)	Morison
137	Attitudes of Farmers Toward Short Term Credit (1941)	Eckert
138	Distribution of Short Term Loans in Ohio (1941)	Eckert
139	Methodological Supplement to Levels of Living (1941)	Cottam
140	Rural Youth I -- Education Training (1941)	Mangus
141	Rural Youth II -- Home and Community Life (1941)	Mangus
142	Rural Youth III -- Employment (1941)	Mangus
143	Farmers Elevators, 1940-41 (1941)	Wallace
144	Farm Tenancy Areas in Ohio (1941)	Noomaw

145	Labor, Power, and Machinery on Small Farms (1941)	Morison
146	A Study of the Newer Hay Harvesting Methods (1942)	Morison
147	Planning for Soil and Water Conservation at Wooster (1942)	Blosser
148	Changes in the Size of Farming Units (1942)	Headington
149	War and Migration of Rural Youth (1942)	Mangus
150	Retail Sales of High Grade & Low Grade Apples (1942)	Hauck & Samuels
151	Wartime Farm Production Adjustments in Ohio for 1943 (1942)	Falconer, Morison, etc.
152	Part-Time Farming in Columbiana County, Ohio (1942)	Headington
153	Fruit & Vegetables Sales in Selected Retail Stores (1942)	Hauck & Samuels
154	Farm Planning for Soil and Water Conservation, Mt. Vernon, Ohio (1942)	Blosser
155	Agricultural Income by Counties, 1940-41 (1942)	Falconer & Kendell
156	Financial Operations of Farmer Elevators, 1941-42 (1942)	Wallace
157	The Farm Labor Situation in Ohio (1942)	Falconer, Morison, Mangus, Sitterley
158	Transportation of Fresh Fruits and Vegetables, Cleveland, Ohio (1942)	Hauck & Samuels
159	Ohio Farm Real Estate Taxes & Tax Valuations (1943)	Moore
160	Size of Farm and Output per Farm Worker in Ohio (1943)	Morison
161	Relocation of Subsistence Farmers to Areas of Farm Labor Needs in Ohio (1943)	Mangus
162	Effects of Every-Other-Day Delivery on Milk Purchase in Columbus, Ohio (1943)	Keith, McBride
163	Effects of Every-Other-Day Delivery on Milk Purchase in Stark, County, Ohio (1943)	Keith, McBride
164	Effects of Every-Other-Day Delivery on Milk Purchase in Dayton, Ohio (1943)	Keith, McBride
165	County Transportation of Milk in Ohio (1943)	Sherman
166	Farm Accidents in Ohio (1943)	Ferris
167	Using Inexperienced Labor on Ohio Farms (1943)	Moore

168	Maximum Wartime Agricultural Production in Ohio (1943)	The Committee
169	Financial Operations of Farmer Elevators, 1942-43 (1943)	Wallace
170	Movement of Kentucky Hill Families Relocated as Ohio Farm Laborers (1943)	Mangus
171	Agricultural Income by Counties, 1942 (1943)	Morison & Falconer
172	The Fruit & Vegetable Container Situation in Ohio (1944)	Hauck
173	The Ohio Farm Real Estate Situation, 1941 to Sept. 1943 (1944)	Moore
174	Post War Problems & Programs for Ohio Agriculture (1944)	The Committee
175	Some Factors to be Considered in Location of Ohio's Livestock Market (1944)	Henning
176	Health & Human Resources (1944)	Mangus
177	A Survey of Milk Purchasing in Coshocton County (1944)	McBride
178	Health Defects of Selective Service Registrants (1944)	Mangus
179	Financial Operations of Farmer Elevators, 1943-44 (1944)	Wallace
180	The Farm Real Estate Situation, 1944 (1944)	Moore
181	Cost of Producing Apples in Ohio, 1943 (1944)	Hauck
182	Attaining Maximum Agricultural Production in Ohio (1944)	The Committee
183	A Postwar Crop & Livestock Pattern for Ohio (1944)	The Committee
184	Hospitals for Rural People in Ohio (1945)	Mangus
185	Rural Children and Youth in Ohio (1945)	Mangus
186	Estimated Agricultural Production in Ohio, 1946 (1945)	The Committee
187	Developing a Farm Plan, August, 1945 (1945)	Sitterley & Falconer
188	Cold Storage Locker Plants in Ohio (Pre-report) (1945)	Sherman
189	Financial Operations of Farmer Elevators, 1944-45 (1945)	Wallace

190	Agricultural Income by Counties, 1943-44 (1945)	Wertz & Falconer
191	Accidents that Were Fatal on Ohio Farms (1946)	Falconer & Baker
192	Production Adjustments in Ohio Agriculture, 1947 (1946)	The Committee
193	Financial Operations of Farm Elevators, 1945-46 (1946)	Wallace
194	Some Facts Relating to the Meat Slaughtering Industry & Its Importance to Ohio Agriculture (1946)	Henning
195	Mental Health Needs in a Rural & Semi-Rural Area (1947)	Mangus
196	Some Financial Aspects of Ohio Cold Storage Locker Plant Operation for 1944 and 1945 (1947)	Sherman
197	Ohio Farm Real Estate Situation, 1941-47 (1947)	Headington & Moore
198	Production Adjustments in Ohio Agriculture in 1948 (1947)	The Committee
199	A Report of an Experimental Carload of Fresh Vegetables (1947)	Hauck & Crawford
200	Landlord Tenant Relations (1947)	The Committee
201	Agricultural Income Bulletin, 1945-46 (1948)	Kendall & Falconer
202	Accidents that Were Fatal to Ohio Farm People, 1946-47 (1948)	Baker & Falconer
203	Divorce in Ohio, 1939-47, in Relation to Mental Health (1948)	Mangus
204	Transferring the Farm From one Generation to the Next (1948)	Headington
205	Production Adjustments in Ohio Agriculture in 1949 (1948)	The Committee
206	Agricultural Income Bulletin, 1947 (1948)	Kendall & Falconer
207	Pre-packaged Produce Requires High Quality Standards and Good Retail Management (1948)	Hauck
208	Financial Operation of Elevators, 1947-48 (1948)	Peterson & Wallace
209	Trends in the Ohio Dairy Industry During the Period 1924 to 1944 (1949)	Hendricks & Falconer
210	Accidental Deaths to Farm People in Ohio (1949)	Schwartz & Baker
211	Production Adjustments in Ohio Agriculture, 1950 (1949)	The Committee

212	Agricultural Income Bulletin, 1948 (1949)	Kendall & Falconer
213	Financial Operations of Elevators, 1948-49 (1949)	Peterson
214	Farm Organization & Income in Relation to Soil Conservation, Coshocton County, Ohio (1950)	Blosser
215	Beef Production in Morgan County, Ohio (1950)	Schwartz
216	Deaths of Farm People Due to Accidents in Ohio 1946-49 (1950)	Baker & Schwartz
217	Apple and Peach Tree Numbers by Age & Variety, Columbiana, Carroll, Mahoning & Stark Counties, Ohio, 1949 (1950)	Scott
218	Marketing Apples in the Canton, Youngstown Area of Ohio 1949-50 Marketing Season (1950)	Scott
219	Desirable Production Adjustment in Ohio Agriculture in 1951 (1950)	Sitterley & Falconer
220	Estimated Gross Cash Income to Ohio Farmers from the Sale of Agricultural Products, 1949 (1950)	Schwartz & Falconer
221	Measures of Farm Work (1950)	Sitterley
222	Changes in Farm Organization and Income on Six Farms Where Soil Conservation Practices were Adopted 1937-49, Coshocton, County, Ohio (1950)	Blosser
223	Financial Operations of Ohio Farmer Owned Elevators During the Fiscal Year 1949-50 (1951)	Peterson
224	Some Problems of the Ohio Apple Industry from the Point of View of the Wholesaler (1951)	Scott
225	Some Facts About Roadside Marketing in Ohio (1951)	Scott & Leed
226	Fatal Accidents to Ohio Farm People (1951)	Baker
227	Problems Encountered by Farmers in Applying Soil Conservation Practices in Ohio (1951)	Blosser
228	Estimated Gross Cash Income to Ohio Farmers from the Sale of Agricultural Products, 1950 (1951)	Falconer & Westcott
229	A Study of Customers Knowledge of Certain Apple Varieties, Habits, Uses of Apples in the Home, and Related Factors, Six Selected Stores (1951)	Scott & Neu
230	The Prepackaging of Ohio Apples on the Farm and Their Marketing, November, 1951 (1951)	Sherman, Sharp, Mitchell
231	Farm Custom Rates Paid in Ohio (1951)	Shaudys & Baker
232	Agricultural Production Attainable by 1955 in Ohio (1952)	The Committee

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| 233 | Financial Operations of Ohio Farmer Elevators for Fiscal Year 1950-51 (1952) | Wallace & Folsom |
| 234 | Some Background Statistics on the Processing Industry in Ohio and Other Important Processing States (1952) | Neu |
| 235 | Some Effects of the Introduction of the 4-year Soil Conserving Cropping System on the Organization and Income of Selected Farms in Southeastern Ohio (1952) | Follett & Sitterley |
| 236 | Estimated Gross Cash Income 1951 (1952) | Westcott & Falconer |
| 237 | The Feeder Cattle Situation in Southeastern Ohio (1952) | Henning & Evans |
| 238 | Financial Operations of Ohio Farmer Elevators for Fiscal Year 1951-52 (1953) | Folsom |
| 239 | A Study of the Beef Breeding Enterprise on Selected Farms in Southeastern Ohio in 1950 (1953) | Miller & Sitterley |
| 240 | Accidental Deaths in Ohio Farm Families, 1951-52 (1953) | Baker |
| 241 | Ohio Farm Real Estate Situation, 1953 (1953) | Moore & Bailey |
| 242 | Consumer Acceptance of Washed and Unwashed Potatoes as Influenced by Type of Container (1953) | Scott, Leed, Havas |
| 243 | Estimated Cash Receipts by Ohio Farmers from the Sold Products and From Government by Counties, 1952 (1953) | Smith, Futhey |
| 244 | Modernizing Grain Handling Facilities in Ohio (1953) | Sharp & Henning |
| 245 | Prepackaging of Ohio Apples on the Farm and the Effect of Various Bag Sizes on Their Acceptance by Consumers (1954) | Sherman |
| 246 | A Survey of the Peach Industry in Ottawa County (1954) | Leed |
| 247 | Financial Operation of Ohio Farmer Owned Elevators for Fiscal Years 1952-53 (1954) | Folsom |
| 248 | Comparative Population, Agricultural and Industrial Data for Ohio Counties, 1941-50 (1954) | Andrews, Snow, Capener |
| 249 | Estimated Cash Receipts by Ohio Farmers from the Sale of Agricultural Products and From Government Payments, by Counties, 1953 (1954) | Smith & Futhey |
| 250 | Modernizing Local Feed Mill Facilities in Ohio (1954) | Sharp, Henning, Beaty |
| 251 | Farmers & Fatal Accidents (1955) | Baker |
| 252 | Retail Tomato Sales: Greenhouse vs. Prepacked Tomatoes Cleveland, Cincinnati, Toledo, and Columbus, Ohio Stores (1955) | Henning, Cravens |

253	Summaries of Several Studies Concerning State Milk Control (1955)	Baumer, Carley
254	History of Prepackaging Fresh Fruits & Vegetables (1955)	Mitchell & Sherman
255	1954 Fatal Farm Accidents (1955)	Baker
256	Costs of Labor -- 30 Ohio Apple Growers 1954-55 (1955)	Bere & Cravens
257	Labor and Costs in Retail Apple Merchandizing -- In Actions of Customers Purchasing Apples (1955)	Bere & Cravens
258	Analysis of Ohio Farmer's Views on Wheat Price Support and Control Program (1955)	Smith, Steward, McCormick
259	Income Bulletin, 1954 (1955)	Smith
260	Analysis of Local Government Facilities and Services in Auglaize, Lake & Monroe Counties (1955)	Moore & McCormick
261	Valuation of Private Property When Taken for Public Use (1955)	Moore
262	Appraisal of Timely Economic Information for Ohio Farmers (1956)	McCormick
263	Consumer Preference for Cut Roses, Carnations, and Chrysanthemums (See Research Circular 31) (1956)	Kiplinger, Sherman, Williams
264	Let's Agree on Terms Used in Making Agricultural Policy (1956)	Smith, Dougan
265	Financial Operations of Ohio County Elevator for Fiscal Years Ending August 3, 1953 to June 30, 1954 (1956)	Folsom
266	Handbook of Ohio Farm Prices (<u>Revised</u> - <u>Harlan</u>) (1956)	McDonald, Barr, & Dunham
267	Facts Leaflet on 1956 Acreage Reserve Program (1956)	Dougan, Barr, & Dunham
268	Facts Leaflet on 1957 Acreage Reserve Program (1956)	Dougan, Barr, & Dunham
269	Estimated Gross Cash Receipts (1956)	Smith & Greenbaum
270	An Analysis of Ohio Wheat Grower Views & Responses in 1956 to Agricultural Policies (1956)	McCoy, Smith, McCormick
271	Extension Facts Leaflet on the Conservation Reserve (1957)	Barr
272	Extension Facts Leaflet on the Corn Acreage Reserve (1957)	Barr

273	Extension Facts Leaflet on the Tobacco Acreage Reserve (1957)	Barr
274	A Ten Year Study of Fatal Farm Accidents (1957)	Baker
275	1956 Fatal Farm Accidents, Eleventh Year (1957)	Baker
276	Let's Agree on Terms Used in Making Agricultural Policy (1957)	Barr
277	Extension Facts Leaflet on 1958 Wheat Acreage Reserve (1957)	Barr
278	Estimated Gross Cash Receipts (1956)	Smith
279	Telephone Interviewing in Social Research (1957)	Mitchell
280	Let's Weigh the Business, Too (1958)	Milner
281	Extension Facts Leaflet on the 1958 Corn Acreage Reserve Phase of the Soil Bank (1958)	Barr
282	History of Production Credit System During Organization and First 19 Years of Operation 1933-52 (1958)	Arnold, Cap
283	A Detailed Summary of Provision in Sweet Corn Grower Processor Contracts (1958)	Cravens, Harlowe
284	Extension Facts Leaflet on the 1958 Tobacco Acreage Reserve Plan of the Soil Bank (1958)	Barr
285	Practices Followed by Ohio Farm Supply Cooperatives in Extending Open Account Credit to Farmers (1958)	Henning, Laubis
286	Extension Facts Leaflet on the 1958 Conservation Reserve Phase of the Soil Bank (1958)	Barr
287	Christmas Tree Purchasing Habits of Greater Columbus Ohio Consumers - 1956 (Research Circular 65) (1958)	Mitchell & Ougley
288	Research Conference 1957 (1958)	Cravens, Rogers, Moore
289	Consumer Preference Toward Various Milk Containers in Eight Ohio Markets (1958)	Mitchell
290	Vertical Integration in Ohio (Extension 375) (1958)	Smith, Bowen, et. al.
291	Food Purchasing Practice in Select Rest, Convalescent and Boarding Homes in Ohio (1958)	A. McCormick
292	<u>Will not be published</u>	
293	Study of Beliefs Among the Amish (1958)	Oyler
294	An Abstract of the Ohio Drainage Laws (1958)	Shaudys

295	Swine in Denmark, Sweden, Netherlands, France and England (1958)	Brunner
296	Extension Facts on the 1959 Conservation Reserve Phase of the Soil Bank - <u>Revised</u> - 1960 (1958)	Arnold, Barr
297	Market Outlets Used by Ohio Farmers in Selling and Buying Livestock (1958)	Henning, Newberg
298	<u>Will not be published</u>	
299	Ohio Farm Income 1957 (1958)	Smith, Tejada, Handy, Houghton
300	Staff Conference, Department of Agricultural Economics and Rural Sociology - September, 1958 (1958)	Staff
301	Proceedings of Grain, Feed, and Farm Supply Marketing Conferences on Vertical Integration and Contract Farming Feeding - 1958 (1958)	Staff
303	A Brief Review of Selected Studies of Apple Prices (1959)	Cravens
304	Characteristics of the Population, Housing, and Agriculture in Ohio (1959)	Andrews
305	The St. Lawrence Seaway and Ohio Wheat (1959)	Amos, Sharp, Dubey
306	Ohio Farm Income - 1958 (1959)	Smith, Tejada, Handy, Houghton
307	Proceedings of Second Annual Agricultural Marketing Conference on "Business Strategy" (1959)	Staff
308	The Impact of Demonstrations on Farmers Attitudes Toward Fertilizer (see Research Bulletin 896) (1959)	Rogers, Ryder, Leuthold
309	Subsidies in the American Economy (1960)	Barr
310	A Look at the Competition for Greenhouse Tomatoes (1960)	Cravens
311	Some Effects of the Soil Bank on Ohio Agriculture (1960)	Newberg, Brunthaver
312	Marketing of Container Grown Nursery Stock Through Supermarkets (1960)	Sherman
313	The Effect of Weather on the Days Available to do Selected Crop Operations, Central Ohio, 1937-1957 (1960)	Sitterley, Bere
314	Ohio Farm Income - 1959 (1960)	Staff

315	Potted Plant and Cut Flower Sales, 1955-56-57 Through Four Columbus, Ohio Supermarkets (1961)	Sherman, Williams
316	Farmer Marketing of Timber in Eight Southeastern Ohio Counties (1961)	Turner, Mitchell
317	Selected Data on Marketing Fresh Sweet Corn for the Sweet Corn Short Course (1961)	Cravens, Royer
318	Proceedings of the Third Annual Agricultural Market- ing Conference (1961)	Staff
319	Suggestions and Instructions for Using the Ohio Commercial Farm Account System - Part I, Taking the Inventory and Recording the Transactions (1961)	Sitterley, Baker, Shaudys
320	How Much a Farmer Can Pay for Feeder Pigs and Still Break Even (1961)	Blosser, Bowen
321	Extension Facts Leaflet on the 1961 Feed Grain Program (1961)	Barr, Barnes
322	Not issued.	
323	Current and Average Prices for Use in Farm Planning (1961)	Huffman, Shaudys
324	Is There a Future for You in Agricultural Economics or Rural Sociology (1961)	McCormick
325	Ohio Farm Income, 1960 (1961)	Staff
326	Patterns of Farming Among the Amish (1961)	Oyler, Blosser
327	Maple Syrup Marketing in Geauga County, Ohio (1962)	Schuler, Sherman
328	Biological Diffusion of Innovations (1962)	Rogers
329	A Review of Factors Related to Innovativeness (1962)	Havens
330	Construction of Innovativeness Scales (1962)	Rogers, Havens, Cartano
331	Sale of Container Grown Nursery Stock Through Garden Stores, Columbus, Ohio - 1959 and 1960 (1962)	Sherman
332	Analysis of Costs Involved in a Program for Stimulat- ing Movement of Land and Human Resources from Agriculture in Gallia County, Ohio (1962)	Newberg, Harlan
333	Proceedings of the Fourth Annual Marketing Conference (1962)	Staff
334	Costs and Returns from Sugarbeets in Ohio (1962)	Blosser
335	Roadside Marketing Conference, November 28, 1961 (1962)	Staff

336	Sale of Potted Plants and Cut Flowers through Supermarkets, Columbus, Ohio - 1955 to 1960 (1962)	Sherman, Baker
337	Agriculture in the Upper Hocking Watershed, 1955-1960 (1962)	Reeser
338	Effects of Packaging Produce on Retail Merchandising Efficiency (1962)	Kendrick, Sherman
339	Ohio Farm Income, 1961 (1962)	Staff
340	Ratio Analysis Used to Measure Financial Strength of Agricultural Business Corporations (1963)	Burkes, Henning
341	Comparative Efficiency of Retailing Produce by Different Packaging Procedures (1963)	Sherman
342	Population Changes in Incorporated Places in Ohio 1810 to 1960, Data Handbook (1963)	Andrews
343	The Spring Crop Tomato Supply Situation (1963)	Cravens, Jefferies
344	Proceedings of the Fifth Annual Agricultural Marketing Conference "Bargaining in Agriculture" (1963)	Staff
345	Wheat Referendum ... The 1963 Ohio Vote and Farm Policy Implications (1963)	Bottum
346	Measuring Achievement Motivation Among Farmers (1963)	Neill, Rogers
347	Third Annual Roadside Marketing Conference (1963)	Staff
348	Changing Patterns of Livestock Produced in Ohio (1963)	Stout, Dickey
349	Not issued	
350	Transportation and Spatial Equilibrium Models (1963)	Walker, Stout
351	Some Elementary Concepts of Matrix Algebra and Its Application (1963)	Walker
352	Ohio Farm Income, 1962 (1963)	Staff
353	Foreign Trade in Livestock Products (1963)	Stout, Futrell
354	A Study of the Rural Church in Four Ohio Counties (1963)	Near, Mitchell
355	The Changing Commercial Farm Market for Insurance (1963)	Shaudys
356	Proceedings of the 2nd Annual Ohio Food Merchandising Conference, March 1963 (1963)	Staff
357	Handbook of Population Data for Ohio Counties, 1960 (1963)	Andrews

358	Summary 1963 Ohio Demonstrational Feeder Calf Sales (1963)	Ingraham
359	Area Sample of Farm Retail Sellers in Franklin and Meigs Counties Ohio (1964)	Cravens, Welsh
360	Case Study of Roadside Market Clientel (1964)	Bennett, Lynd
361	Discontinuance of Farm Innovations (1964)	Bishop, Coughenour
362	A Review of Roadside Marketing Literature (1964)	Jeffries, Cravens
363	Changing Market Conditions: Implications for Ohio Dairy Marketing Cooperatives (1964)	Baumer, Padberg, Kepner, Klein
364	1964 Spring Crop Tomato Situation (1964)	Royer, Jeffries
365	List of M. S. and Ph. D. Thesis (1964)	Hoskinson
366	Proceedings of the Fourth Roadside Marketing Conference, November 22, 1963 (1964)	Royer
367	Third Annual Ohio Food Merchandising Conference March, 1964 (1964)	Skinner
368	Rural Criminals and Their Crimes (1964)	Rushton, Mangus
369	Agricultural Marketing Conference, 6th, 1964 (1964)	Stout
370	1963 Ohio Farm Income (1964)	Staff
371	Summary 1964 Ohio Demonstrational Feeder Calf Sales (1964)	Ingraham
372	Outdoor Recreation Enterprises in Ohio (1964)	Owens
373	Proceedings of Fifth Annual Roadside Marketing Conference (1964)	Staff
374	Changes in Transportation Facilities, Volume, Movement, and Prices of Grain in Toledo, Ohio (1965)	Kiser, Turner
375	Farm Policy Considerations for Wool (1965)	Barr, Grimshaw
376	Farm Policy Considerations for Dairy (1965)	Jacobson, Bottum, McGregor
377	Farm Policy Considerations for Feed Grains and Wheat (1965)	Williams, Barr, McCormick, Baker Musgrave
378	Farm Policy Considerations for Low Income (1965)	Bottum, Gist, Jacobson
379	Analysis of Demonstrational Feeder Calf Sales Based on Feeder Calf Grade Standards (1965)	Ingraham
380	Marketing Feeder Pigs (1965)	Bowen

381	The 1965 Spring Crop Tomato Situation (1965)	Cravens, Jeffries
382	Annual 1964 Farm Business Analysis (1965)	Krofta
383	Simplified Farm Operating Budget (1965)	Noore, D.
384	Fresh Vegetable Calendar, Food Shopping Tips (1965)	Royer
385	Transportation of Feeder Calves (1965)	Ingraham
386	Seventh Annual Agricultural Marketing Conference, FOCUS ON PRICING (1965)	Bottum
387	What Your Food Dollar Buys (1965)	Simonds
388	1964 Ohio Farm Income (1965)	Staff
389	Ohio Demonstrational Feeder Calf Program (1965)	Ingraham
390	Amount to Pay for Feeder Pigs (1965)	Blosser, Bowen
391	Federal Supported Research in Agriculture at Land Grant College and Experiment Stations (1965)	Futrell, Stout
392	Not issued	
393	Eighth Annual Agricultural Marketing Conference, EXPORTING OHIO'S AGRICULTURAL PRODUCTION TO A HUNGRY WORLD (1966)	Staff
394	1965 Farm Business Analysis Report (1966)	Krofta
395	An Analysis of Selected Farm Organizations in North Eastern Ohio with Special Reference to Dairy Market- ing Cooperatives (1966)	Baumer
396	The Spring Crop Tomato Situation, 1966 (1966)	Cravens, Jeffries
397	What to Pay for Feeder Steers (1966)	Blosser
398	Proceedings of the Sixth Annual Roadside Marketing Conference (1966)	Royer
399	Ohio Livestock Production and Marketing Trends 1949-1964 (1966)	Bowen
400	Preliminary County Summary Sheets on Country Elevators and Feed Mills in Ohio (1966)	Sharp
401	Minifundia in Agrarian Reform: A Colombian Example (1966)	Adams, Schulman
402	Ohio Farm Income, 1965 (1966)	Staff
403	Current and Average Prices for Use in Farm Planning (1966)	Burkhart, Shaudys

404	Ninth Annual Marketing Conference (1967)	Staff
405	The 1967 Spring Crop Tomato Situation (1967)	Cravens, Jeffries
406	Mergers and Bargaining Power as Related to Milk Marketing Cooperatives (1967)	Jacobson
407	The Effects of Industrialization on a Rural County: Comparison of Social Change in Monroe and Noble Counties of Ohio (1967)	Andrews, Bauder
408	Agri-Business Management Organizational Manual (1967)	Ingraham, Phillips
409	1966 Farm Business Analysis Report (1967)	Harter, Moore, J., Moore, D., Doster
410	1968 Ohio Outlook Guide (1967)	Staff
411	Ohio Farm Income, 1966 (1967)	Staff
412	Current and Average Prices for Use in Farm Planning (1967)	Burkhart, Shaudys Hunt
413	Farm Management Manual (1967)	Shaudys, Reeser, Baker
414	LEVELS OF LIVING Among Farmers in Three Colombian Neighborhoods (South America) (1967)	Stickeley, Rogers, Smith
415	Summary of 1967 Ohio Special Graded Feeder Pig Auctions (1968)	Bowen
416	Meeting the Challenge of Substitute Dairy Products (1968)	Jacobson, Harter
417	Farm Management Counseling Guide for Staff Working in Adult Farm Management Education (1968)	Moore, J.
418	Current Economics of Swine Production (1968)	Moore, J.
419	Farm Management Suggestions -- for Higher Net Income (1968)	Moore, J.
420	Get Better Before you Get Bigger (1968)	Moore, J.
421	The Ohio Food Store Business Summary and Analysis (1968)	Watkins
422	Responses to 97 Food Marketing Questions Raised by Homemakers (1968)	Simonds, Watkins
423	1968 Spring Crop Tomato Situation (1968)	Cravens
424	Opportunities in Change ... Second Meat Science and Distribution Conference (1968)	Watkins

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| 425 | The Competitive Position of Cattle Feeding in Northern Corn Belt (1968) | Moore, J. |
| 426 | Proceedings of <u>Seventh</u> Annual Roadside Marketing Conference, 1966 (1968) | Cravens |
| 427 | Proceedings of <u>Eighth</u> Annual Roadside Marketing Conference, 1967 (1968) | Cravens |
| 428 | Proceedings of the <u>Ninth</u> Annual Roadside Marketing Conference, 1968 (1968) | Cravens |
| 429 | Not issued | |
| 430 | Ohio Farm Income, 1967 (1968) | Staff |
| 431 | Proceedings of a Seminar on Strengthening the Marketing Position of Milk Producers (1968) | |
| 432 | Economics of the Sheep Industry in Ohio (1968) | Moore, J. |
| 433 | Methods of Analyzing Farm Machinery and Equipment Costs (1968) | Moore, J. |
| 434 | Credit - An Important Farm Tool in Today's Agriculture (1968) | Moore, M. |
| 435 | Summary of 1968 Ohio Special Graded Feeder Pig Auctions (1968) | Bowen |
| 436 | Farm Business Analysis, 1967 (1968) | Harter, Moore,
Miskell |
| 437 | Milk Production Costs on 109 Northeastern Ohio Dairy Farms, 1965-1966 (1968) | Moore, Hunt |

APPENDIX D

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY
AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

1915 - July 1969

Current Publications

Economic Information for Ohio Agriculture
Printed (4-8 pp) Publication issued each month
1928 - 1970

Staff

Econogram (Weekly multilith)
Prepared weekly from 1950 - 1970

M. McDonald,
W. Barr

The Ohio Food Market Situation and Outlook
Weekly from 1963 - 1970

L. Simonds, P. Thomas,
G. Futrell,
M. Hermance

Let's Go Shopping 1954 - 1963

P. Thomas, G. Futrell,
T. Bennett, R. Skinner
L. Simonds

North Central Region Extension Bulletins
1942 - 1969

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Extension Bulletins

Vol. XI No. 2	Results of Farm Management Survey in Geauga County (1915-16)	Allen, Falconer
Vol. XI No. 11	Good and Poor Farming in Cortland Area, Trumbull County (1915-16)	Bugby, Dagger
Vol. XII No. 4	Useful Farm Records and Accounts (1916-17)	Dagger
Vol. XIII No. 3	The Organization of the Farm Business for Profit (1917-18)	Dagger, Falconer
Vol. XIII No. 6	Farmers' Clubs (1917-18)	Lantis
Vol. XIV No. 6	Books for a Farmers Library (1918-19)	Lantis
Vol. XIV	Farm Accounts (1918-19)	T. Phillips
Vol. XIV No. 8	Credit Statement for Short Term Farm Loans (1918-19)	Falconer
Vol. XV No. 1	The Arrangement of Farm Fields (1919-20)	Falconer
Vol. XV No. 20	Books for a Farmers' Library (1919-20)	Lantis

Vol. XVIII No. 4	Some Rural Social Agencies in Ohio (1922-23)	Lively
Vol. XVIII No. 5	Labor Required for Crop Production (1922-23)	Taber, Arnold
Vol. XVIII No. 8	Cooperative Marketing of Livestock in Ohio (1922-23)	Wallace
Vol. XIX No. 2	Farm Accounting in Rural Schools (1923-24)	Morison
Vol. XIX No. 3	A Complete Farm Record (1923-24)	Morison
Vol. XXI No. 1	A Plan of Farm Organization for Hill Land Farms in Southeastern Ohio (1925-26)	Hartman, Hawthorne, Utz,
Vol. XXI No. 5	Agriculture in the Clermont Silt Loam Area (1925-26)	Arnold
Vol. XXI No. 8	Farm Accounting (Rev.) (1925-26)	Arnold, Miller
No. 52	Duties of Members, Directors, and Managers of Coop. Assns. (1926-27)	Wallace, Hammans, McBride,
No. 79	Managing a Farm in the Corn Borer Area (1928-29)	Johnson, Arnold
No. 85	Arrangement of Farm Fields (1928-29)	Falconer
No. 102	Sugar Beet Production in Northwestern Ohio (1929-30)	Reed, Arnold, Parks
No. 124	Easy Lessons in Rural Credit (1931-32)	Wallace
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No. 161	How Easy are "Easy Payments?" Also, "Loans at Legal Rates" (1934-35)	Wallace
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No. 176	Where the Farmer Can Borrow (1935-36)	Wallace
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No. 191	Ohio Cooperatives (1937-38)	Wallace
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No. 211	Planning My Farm Business (see Bul. SB-8) (1940-41)	Sitterley
No. 214	Business of the Home -- Legal Aspects (title changed to Legal Safeguards for Your Home) (1940-41)	
No. 219	Father-Son Farming Arrangements (1941-42)	Eckert
No. 223	Cooperative Reorganizations: Advantages, Requirements and Problems (1941-42)	Henning, Wallace
No. 284	Ways to Increase Your Milk Check (1947-48)	Christian
No. 308	Rates of Feed Consumption by Livestock (1948-49)	Sitterley
No. SB-8	Planning the Farm Business (1953-54)	Sitterley
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No. 372	Legislative Attempts to Solve the "Farm Problem" (3 Revisions 1957-61-64) (1957-58)	Dougan, Barr
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No. 394	Know Your Beef (1958-59)	A. McCormick, Long
No. 397	A Guide to Buying Canned Fruits and Vegetables (1959-60)	A. McCormick, Long
No. 407	Ohio Agriculture (1960-61) (3 Revisions 1962-1965-1967)	Dougan, M. McDonald
No. 414	Milk (1961-62)	Dept. of Ag. Econ. Dairy Science Coop.

No. 418	Labeling Fruits and Vegetables for Sale in Ohio (1961-62)	Royer
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No. 483	Panorama of Economics for Our Time (1966-67)	Milner
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No. 510	Auction Selling of Slaughter Cattle on Carcass Basis (1969-70)	Bowen

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L-64	Food Shopping Tips -- BEEF (1956-57)	Marketing Info. Specialists
L-65	Food Shopping Tips -- PORK (1956-57)	Marketing Info. Specialists
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L-67	Food Shopping Tips -- EGGS (1956-57)	Marketing Info. Specialists
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L-111	Farm Vacations (1962-63)	G. H. Phillips

L-117	Food Shopping Tips -- PEACHES (1963-64)	Thomas, Simonds
L-120	Transportation of Feeder Calves (1964-65)	Ingraham
L-128	What to Pay for Feeder Pigs (1965-66)	Bowen, Blosser
L-130	Alfalfa Insects (1965-66)	Gist, Harter
L-135	What to Pay for Feeder Steers (1966-67)	Blosser, Doster
L-147	Fence Construction and Land Clearance in Southeast Ohio (1967-68)	Miskell
L-156	More Dollars with Feeder Calves and Turkeys (1968-69)	Miskell
L-157	A Corn Price Analysis (1968-69)	Sharp

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LD-3	1949 International Wheat Agreement (1949-50)	M. G. Smith
LD-1	Four Ways of Doing Business (1950-51)	Christian
LD-2	The Citizen and His Government (1950-51)	Schmidt
LD-3	Savings and Investment Problems of Farm People (1952-53)	Smith, Hughes
LD-4	Price Stability and Farmers (1953-54)	Dougan
LD-5	The Public Schools of Ohio: What's Ahead? (1953-54)	Schmidt
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173	How to Build a Better Business at Country Elevators (1958)	Milner
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191	Managerial Controls for Country Elevators (1960)	Milner
194	1961 Feed Grain Program (1960) 1962 Feed Grain Program (1961) 1963 Feed Grain Program (1962)	Barr, Vollmar, Barnes, Bollin
195	What Can a Farmer Afford to Pay for Feeder Pigs (1960)	Bowen, Blosser
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221	Seasonal Supply and Price Patterns for Meat (1963)	Thomas, Futrell
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231	An Evaluation of Food Know-How for Restaurants (1964)	Simonds

232	Voluntary Wheat Program - 1964 (1964)	Barr, Bottum
238	The Columbus, Ohio, Market for Natural and Artificial Christmas Trees (1964)	Sherman
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241	Report of the 1964 Sugar Beet Production Evaluation for an Eight-County Area in Northwest Ohio (1965)	
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252	Alfalfa and the Alfalfa Weevil (1965)	Gist, Harter
253	Farm Business Analysis Report (1966)	Krofta, J. Moore, Harter
254	Food Shopping Tips -- Fresh Vegetables Calendar (1965)	Royer
258	7th Annual Agricultural Marketing Conference-- "Focus on Pricing" -- March 25, 1965 (1965)	Staff
259	What Does Your Food Dollar Buy?	Simonds
261	Voluntary Wheat Program - 1966 (1965)	Barr, Bottum
262	Feed Grain Program - 1966 (1965)	Barr, Bottum
263	Cropland Adjustment Program - 1966 (1965)	Bottum, Barr
264	1966 Farm Outlook Guide (1965)	Barr, Bottum, H. McDonald, Himes
266	Acreage-Poundage Referendum for Burley Tobacco (1966)	Bottum, Barr
273	Voluntary Wheat Program - 1967 (1967)	Barr
274	Feed Grain Program, 1967 (1967)	Barr
276	Ohio Livestock Production and Marketing Trend, 1949-1964 (Cattle, Calves, Hogs, Lambs) (1967)	Thomas, Bowen

280	Voluntary Wheat Program - 1968 (1967)	Barr, Miskell
281	Outlook Guide, Ohio, 1968 (1967)	Barr, M. McDonald Himes, Moore, Osburn
282	Proceedings of a Seminar on Mergers and Bargaining Power as Related to Milk Marketing Cooperatives (1967)	Jacobson
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284	Summary of 1967 Ohio Special Graded Feeder Pig Auctions (1967)	Bowen
285	Meeting the Challenge of Substitute Dairy Products (1967)	Jacobson
288	Directory of Public and Private Assistance in Outdoor Recreation (1967)	Pierce
289	The Ohio Food Store Business Summary and Analysis (1967)	Watkins
290	Responses to 97 Food Marketing Questions Raised by Homemakers (1967)	Watkins
291	Opportunities in Change (1967)	Watkins
292	Voluntary Wheat Program - 1969 (1968-69)	Barr, Miskell
293	1969 Outlook Guide -- Ohio (Handbook of Economic Info.) (1968-69)	Barr, M. McDonald, Himes, J. Moore
294	Proceedings of a Seminar on Strengthening the Marketing Position of Milk Producers (1968-69)	Jacobson
298	Feed Grain Program, 1969 (1968-69)	Barr, Miskell
299	Summary of 1968 Ohio Special Graded Feeder Pig Auctions (1968-69)	Bowen
300	Milk Production Costs on 109 Northeastern Ohio Dairy Farms, 1965-1966 (1968-69)	J. Moore, Hunt
301	Voluntary Wheat Program 1970 (1969-70)	Barr, Hadley

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Ability of a Farm (December 1948) | L. H. Barnes |
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in Ohio (July and December 1950) | G. W. Miller,
M. McDonald |

APPENDIX E

GRADUATE DEGREES GRANTED BY
THE DEPARTMENT OF AGRICULTURAL ECONOMICS AND
RURAL SOCIOLOGY 1915 - July 1969

PH. D. DEGREES GRANTED BY THE
DEPARTMENT OF AGRICULTURAL ECONOMICS
AND RURAL SOCIOLOGY
1929 TO JULY 1969

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1929	MINNEMAN, Paul George (Falconer)	Large Land Holdings in Ohio and Their Operation
1930	STOUT, Whitney Bowman (Falconer)	An Analysis of Direct to Packer Marketings of Hogs in Ohio
1933	HENNING, George Frederick (Falconer)	The Motor Transportation of Live- stock in Ohio
1936	KENESTRICK, Harold George (Falconer)	Some Economic Factors Affecting the Establishment of Former All Day Students of Vocational Agriculture in Ohio in Farming
1939	HAUCK, C. W. (Falconer)	Tests of Reliability of Brands and Retail Prices as Guides to the Quality of Selected Fresh and Canned Fruits and Vegetables
1940	MOOMAW, I. W. (Falconer)	Farm Organization and Certain Aspects of Life among Depressed Class Farmers of Broach District, India
1941	ECKERT, Phil S. (Falconer)	Short Term Farm Credit in Ohio with Special Emphasis on Loans of Country Banks
1941	WALLRABENSTEIN, Paul Phillip (Falconer)	The Accuracy of District and County Estimates of Yield per Acre, 1929 and 1934
1944	McNAMARA, Robert LeRoy (Falconer)	Voluntary Health Insurance Organiza- tions in Rural Ohio
1944	SITTERLEY, John Haas (Falconer)	Adjustments in Land Use at the Extensive Margin of Farming in Ohio
1947	HEADINGTON, Robert Clark (Falconer)	Holding and Operating Farms Contin- uously within the Family
1947	SHERMAN, Ralph Walter (Falconer)	Some Economic and Financial Aspects of the Operation of Cold Storage Locker Plants in Ohio
1948	BAKER, Richard Heinley (Falconer)	Costs of Producing Milk in Ohio, 1945-46

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1949	CONLEY, Albert Rolland (McBride)	Effect of Base and Surplus Plan on Seasonal Pattern of Milk Deliveries in Ohio
1950	GURPINAR, Nevzat (Falconer)	Short Term Agricultural Cooperative Credit in the United States and Turkey and Suggestions for the Improvement of the Turkish System
1950	KATKOFF, Vladimir (Falconer)	Soviet Agriculture Since 1940
1950	SINGH, Ajaib (Falconer)	A Study of Group Farming in North America and the United Soviet Socialist Republic
1951	BAUMER, Elmer Frederick (Henning)	Formulas for Pricing of Milk to Producers in Ohio
1951	EVANS, Merrill Brown (Henning)	Some of the Physical and Quality Factors to be Considered in an Improved System of Buying and Selling Hogs
1952	DOWDY, George Theodore (Falconer)	An Economic Analysis of Consumer Food Buying Habits of Negro Households, in Columbus, Ohio
1952	OWENS, Emiel Wade (Falconer)	A Study of Consumer Acceptance of Prepackaged Produce and Meats
1952	SHARP, John W. (Sherman)	Elasticity of Demand for Selected Agricultural Products
1953	BOAN, John Alexander (Falconer)	Some Aspects of Expectation-Forming in the Face of Uncertainty in Agricul- ture with Special Emphasis on Farmers' Uncertainty Preferences, as Revealed Empirically in Clark County, Ohio
1953	DOBSON, Gordon Joseph (Falconer)	The Use of Inter-governmental Agreements in the Marketing of Agricultural Commodities, with Particular Reference to the International Wheat Agreement of 1949
1953	MCCORMICK, Francis Burwell (Falconer)	An Analysis of the Market News Service for Livestock and Grain in Ohio with Special Reference to the Media of Radio and Daily Newspapers
1953	RAID, Howard Daniel (Sherman)	Analysis of the Operation of the Federal Crop Insurance Wheat Program in Ten Selected Ohio Counties

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1953	WILLIAMS, Howard Copeland (Sherman)	The Measurement of Demand for Hogs and Cattle at the Farm Level
1954	FELDER, Allie Clay (Henning)	The Acceptance of Recommended Peanut Production and Marketing Practices in Nansemond County, Virginia, Relative to Family Organization, Family Values, and Related Social and Economic Status Factors
1954	MITCHELL, Glen Hugh (Sherman)	Prepackaging - a Marketing Innovation - of Fresh Fruits and Vegetables with Special Reference to the Ohio Apple Industry
1954	SHAUDYS, Edgar Trego (Sitterley)	A Critical Analysis of Ohio Production Cost Studies, with Special Emphasis on the Farm Approach
1955	WILLIAMS, Thomas Thackery (Sherman)	An Economic Analysis of Negro Food Habits in Tuskegee, Alabama
1956	DOUGAN, Riley Shelton (Smith)	An Analysis of the Use of Economic Information in Farm Production Decisions by Ohio Farmers
1956	STOUT, Thomas Taylor (Henning)	Initial Inquiries into the Possibility of Formula Pricing Live-Graded Market Hogs Under Changing Economic Conditions
1956	WAYT, William Allen (Wertz)	Part-time Farming in Ohio, with Special Reference to Its Use as a Route to Full-time Farming
1957	BAILEY, Raymond Allman (Sitterley)	Input-Output Data for the Commercial Swine Enterprise in Ohio
1957	CHIEN, Shih An (Sherman)	Frozen Foods with Special Reference to Consumer Use in Columbus, Ohio
1957	GHEZELBASH, Abbas (Cravens)	An Econometric Analysis of the Greenhouse Tomato Market in Ohio
1957	LEED, Theodore William (Sherman)	Relationships of Merchandising Practices and Other Factors to the Sales of Greenhouse Tomatoes in Retail Food Stores
1957	NIAZI, Umar Khan (Wertz)	Capital for Regeneration of Agriculture in Pakistan
1957	OH, Heung Keun (Sherman)	An Analysis of Factors Influencing Soft Red Winter Wheat Production

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1957	ROBINSON, Howard Franklin (Cravens)	History and Evaluation of Trading in Futures of Potatoes, 1930-1956
1957	SHUMAN, Adnan Shukay (Henning)	A Suggested Plan for the Syrian Agricultural Cooperatives
1958	BERE, Richard Lee (Cravens)	An Economic Analysis of the Grading, Packaging, and Marketing of Apples, with Special Reference to Prepackaged Apples
1958	DUBEY, Akhilesh (Smith)	The Effects of the St. Lawrence Seaway on Ohio Wheat Marketing
1958	NAGI, Saad Zaghloul (Mangus)	Migration and Communicative Integration in a Rural Fringe Population
1958	RICHIE, William Taft (Henning)	History and Development of Agricultural Cooperatives in Ohio
1958	SCHWART, Robert Benton (Sitterley)	The Relation of Variations in Education to the Decision-Making of Farmers
1959	CARLEY, Dale Herbert (Baumer)	The Effect of Price on the Supply Response of Milk in Two Ohio Markets
1959	CARPENTER, Neal Ross (Tompkin)	An Extension Method of Farm Management Training
1959	ECKER, Harold J. (Sherman)	A Management Audit of Forty-Four Country Elevators in Western Ohio
1959	LAUBIS, Robert Edwin (Henning)	An Analysis of the Financial Structure of Agricultural Cooperative Business Organizations in Ohio and Suggestions for Improvement
1959	MCDONALD, Russell Fudge (Henning)	Development and Evaluation of Alternative Methods of Preparing Fleece Wool for Market
1959	MOORE, Charles Vincent (Sitterley)	An Evaluation of Farm Accounting Systems as Aids to the Management of Commercial Farms
1959	POLLOCK, Ronald Howard (Henning)	An Analysis of Changes in Consumer Milk Purchases in Two Ohio Metropolitan Areas
1959	SINGH, Ram Ratan (Sitterley)	Reorganization of Contiguous Small Farms for the Maximum Economic Returns

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1959	TEJADA, Gustavo Adolfo (Newberg)	Comparative Returns to Resources Used on Different Types and Classes of Farms by Major Types of Farming Areas in Ohio and Neighboring States
1960	AMOS, John Max (Sherman)	An Economic Analysis of Highway Improvements on County Elevators
1960	ARMSTRONG, David Lee (Sitterley)	Development of Optimum Forage-Handling Systems on One- and Two-Man Farms in Western Ohio
1960	BRUNTHAVER, Carroll Grant (Newberg)	A Study of the Ohio Lamb Marketing Structure, with Particular Emphasis on Competitive Bidding versus Negotiated Pricing Systems
1960	CHAUDHRY, Ali Mohammad (Baker)	The Use of a Farm Management Approach in Solving Agricultural Problems in Pakistan
1960	FURBAY, Walter Merrill (Sherman)	An Analysis of the Sale of Inexpensive Cut Flowers and Potted Plants Through Supermarkets
1960	LEWIS, James Hubert (Henning)	An Analysis of Market Structure and Spatial Price Patterns for Hogs and Pork and Pork Products in Ohio
1960	REESER, Robert Moffett (Sitterley)	Land Use in Ohio: Trends, Prospects, and Evaluations
1960	SCHULTZ, Stanley Ray (Baumer)	An Economic Analysis of Manufacturing Milk Production in Ohio
1960	SMITH, Melvin Wayne (Cravens)	An Analysis of the East Cleveland Farmers' Market
1960	STEWART, Donald Doyle (Smith)	Income, Employment, and Resource Use Among Rural Families in Southeastern Ohio
1960	WESTCOTT, Edwin Russell (Tompkin)	Optimum Combinations of Resources for Dairy Farms in West-Central Ohio
1961	BAKER, Maurice Edward (Sherman)	An Analysis of the Sale of Cut Flowers and Potted Plants Through Supermarkets
1961	BARR, Wallace (Smith)	Major Economic Impacts of the Conservation Reserve on Ohio Agriculture and Rural Communities

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1961	CAIN, Jarvis Lynn (Sherman)	Development and Use of the Demonstration Store Technique for Extending Operational Efficiency Research Results in Retail Produce Departments
1961	EZZELL, Austin Benson (Sherman)	Some Economic Impacts of Selected Types of Legislation on Food Wholesaling and Retailing
1961	FULLER, Cecil Eugene (Henning)	A Minimum Cost Movement Pattern for Feeder Grains in Ohio
1961	GREENBAUM, Harry (Sherman)	An Economic Analysis of Consumer Shopping Patterns in Five Dayton, Ohio, Supermarkets
1961	HARLAN, Reginald Kelsey (Newberg)	Analysis of Costs and Problems Involved in a Program for Stimulating Movement of Land and Human Resources from Agriculture in Gallia County, Ohio
1961	HART, Stanley Philip (Newberg)	An Analysis of Facilities and Operations of Livestock Dealers and of Local Markets in the North Central Region
1961	SWANK, Chester Eugene (Sherman)	Levels of Consumer Food-Buying Knowledge, Factors Involved in Consumer Decision-Making, and Implications for Consumer Marketing Economics Programs
1962	BURKES, Marshall Roy (Henning)	Changes in the Financial Strength and Structure of Agricultural Business of Merchandising
1962	GOODING, David Ingram (Sherman)	Economic Efficiency of Retailing Selected Produce Commodities by Different Methods of Merchandising
1962	HAVENS, Arthur Eugene (Mangus)	Social Psychological Factors Associated with the Differential Adoption of New Technologies by Milk Producers
1962	KENDRICK, James Griffith (Sherman)	Effects of Packaging Selected Fruits and Vegetables on Efficiency of Retail Merchandising
1962	MANN, Harbans Singh (Sitterley)	Cooperative Farming and Family Farming in the Punjab: A Comparative Study
1962	MILLER, Edgar Allen (Henning)	A Mathematical Method of Locating Livestock Markets in Ohio to Minimize Average Total Cost of Transportation and Market Operation

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1962	SWANK, Charles William (Newberg)	An Analysis of Factors Affecting Cancellations of Ohio Farm Bureau Federation Group Hospital-Surgical Insurance Policies
1962	WANG, Yi (Wertz)	The Demand and Price Structure for Various Classes of Wheat
1963	EICKHOFF, William Dean (Baumer)	Market Structure and Performance Rela- tionships in the Ohio Fluid Milk Industr
1963	ESHLEMAN, J. Ross (Mangus)	Mental Health and Marital Integration as Applied to Married Youth
1963	GARCHA, Bikramjit Singh (Cravens)	Demand and Prices for Ohio Greenhouse Tomatoes and Projection of Prices to 1975
1963	HUFFMAN, Donald Claude (Cravens)	A Technique for Classifying Farm Man- agers According to Managerial Ability
1963	KOO, Young Whe (Sherman)	An Analysis of Selected Factors In- fluencing Labor Efficiency in Super- markets
1963	MARION, Bruce Wilbur (Stout)	Labor Utilization and Scheduling in Four Ohio Meat Departments
1963	MURRA, Gene Elden (Henning)	Improving the Quality and Marketing of Domestic Fleece Wool
1963	PONDER, Henry (Sherman)	A Comparative Analysis of Selected Store Activities for Four Supermarkets Columbus, Ohio
1963	POTTER, Harry Raymond (Mangus)	Disabled Workers' Conception of Their Work Limitations and Vocational Potential
1963	ROTHSCHILD, Constantina (Mangus)	The Reaction to Disability in Rehabilitation
1963	SHISHTAWY, El Saied El Ahmady (Henning)	Statistical Analysis of the Interrela- tionships of Major Factors Reported by 51 Ohio Agricultural Cooperative Managers
1963	VANDEMARK, Vern Alvin (Sherman)	Automatic Merchandising of Grocery Products for Off-Premise Consumption
1963	VOLLMAR, Glen Junior (Sitterley)	An Investigation of the Economic Use of Farm Equipment, Northwestern Ohio Cash Grain Farms

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1964	AL HAJ, Sabbah (Cravens)	Quality Comparisons for Greenhouse and Competing Tomatoes
1964	BROWN, Joseph David (Cravens)	An Analysis of Factors Affecting Week-to-Week Variations in Retail Margins for Selected Produce Items
1964	CHAUHAN, Krishna Kumar Singh (Baumer)	Effect of the General Economic Development on the Evolution of Agricultural Marketing in the United States
1964	FUTRELL, Gene Allen (Stout)	Interregional Competition in Beef and Pork: A Multiproduct Spatial Equilibrium Investigation
1964	GEEVARGHESE, P. K. (Mangus)	Growth and Decline of Small-Town United Presbyterian Churches in Ohio
1964	HIMES, Glenn Curtis (Sherman)	International Competition in the Feed Grain Economy
1964	INGRAHAM, Charles Harold (Henning)	A Review of the Organizational Structure of the Ohio Farm Bureau Cooperatives and Characteristics Associated with Successful County Farm Bureau Managers
1964	KALB, Klaus (Padberg)	Product Differentiation in the Mixed Feeds Industry
1964	KEPNER, Karl Wilfred (Baumer)	Product Differentiation in the Fluid Milk Industry
1964	KLEIN, Thomas Arnold (Baumer)	The Performance Implications of Brand Advertising: Simulation of a Typical Market for Packaged Whole Milk
1964	MCCURDY, Dwight Richmond (Wayt)	Factors Associated with Willingness of Private Woodland Owners in Ohio to Provide Outdoor Recreation Facilities
1964	MONTEEB, Essam Hassan (McCormick)	Economic and Statistical Analysis of the Impact of Two Federal Agricultural Policy Programs on Agricultural Resource Re-allocation in Ohio
1964	PATEL, Ram Kishore (Shaudys)	Management of State Agricultural Experiment Stations' Research of Facilities in the U. S. and Implications for Rajasthan
1964	QUINTANA, Vicente U. (Smith)	An Economic Analysis of Straight Agricultural Loans Granted by the Branches of the Development Bank of the Philippines in Nueva Ecija and Isabela, 1962

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1964	RICKER, Harold Sewall (Sherman)	Effects of Merchandising Selected Fruits and Vegetables by Prepackaged and Bulk Methods on Consumer Acceptance in Columbus, Ohio 1963
1964	TURNER, Michael Stanley (Sherman)	An Economic Analysis of the Structure of the Grain, Feed, and Farm Supply Industry of Ohio
1965	BIEDERMANN, Konrad (Walker)	Regional Loan Rate Differentials for Wheat
1965	DARROW, Edward Eugene (Smith)	The Structure of the Agricultural Long-Term Credit Market in Ohio
1965	MENDEL, Joseph John (Sherman)	An Evaluation of Characteristics of Small Woodland Owners and Their Relation to Attitudes Toward the Adoption of Timber Management Practices
1965	OWENS, Gerald Phillip (Sherman)	Factors Affecting the Demand for Outdoor Recreation
1965	VIGEN, James (Williams)	Analysis of Demand for Wheat in the European Economic Community with Projections to 1970 and 1975
1965	WARE, Dennis William (Baumer)	The Economic Implications of Free Trade in Agricultural Products Between Canada and the United States
1965	WELSH, Robert (Cravens)	Management-Labor Relations in the Retail Food Industry: Emphasis, Technological Change
1965	WHITTAKER, James Curtiss (Sherman)	An Evaluation of Factors Affecting Individual Sawlog Conversion-Surplus, Sawing Time and Overrun at Hardwood Lumber-producing Circular Sawmills
1965	ZAKI, Mohamed Abdel Halim (Henning)	Economic Development in the U. A. R. (Egypt) and the Role of the Agricultural Sector
1966	DICKEY, Ronald Wayne (Henning)	An Analysis of Financial Management of Agricultural Cooperative Business Organizations in Ohio and Recommendations for Improvement
1966	FLINN, William Loren (Mangus)	Adaptation of Rural Colombian Migrant Families to the Urban Society of Bogota, Colombia

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1966	KISER, Harvey (Sharp)	An Analysis of the Return on Investment in Country Elevators in Ohio, 1956-1964
1966	PHILLIPS, Howard (Mangus)	Rural and Urban Value Commitments and Their Relationship to Social Action
1966	SKINNER, Richard (Sherman)	Consumer Motivation in Supermarket Selection: A Factor Analysis
1966	VASTINE, Bill (Smith)	An Analysis of Present and Future Roles of Store Managers and Supervisors in the Retail and Wholesale Food Industry
1966	LYTLE, John Stevens (Sharp)	An Optimal Pattern of Shipment for Grain in Ohio with Projections to 1970
1966	BERRY, Russell LaVerne (Baker)	The Scully Estate and Its Cash-Leasing System in the Midwest
1967	CHEN, Hsing Yiu (Bailey)	Structure and Productivity of Capital in the Agriculture of Taiwan and Their Policy Implications to Agricultural Finance.
1967	HAWKINS, Murray Hector (Stout)	An Analysis of Structure and Conduct in the Wholesale Meat Industry in Ohio
1967	JONES, Lonnie Lee (Stout)	Short-Term Forecasting Models for Average Monthly Prices of Wholesale Beef
1967	MANN, Kharak Singh (Smith)	An Analysis of the Expected Shifts in Cropping Patterns of the Punjab (India) resulting from the Introduction of High yielding Varieties of Crops
1967	THOMAS, Paul Richard (Stout)	Comparison Between Buyer Estimates of Live Cattle Yield Grades and Actual Carcass Performance
1967	WESTERHOLD, Raymond William (Sharp)	An Optimal Grain Storage System for the State of Ohio
1967	MOORE, John E. (Shaudys)	Optimizing Resource Allocation for Tenant Operated Pork Producing Farms
1967	TRIEB, Sykes (Walker)	An Analysis of Market Managerial Leadership and Its Relationship to Measurement of Operational Effectiveness
1967	WHEELAND, Hoyt (Sherman)	The Profitability of Managing Upland Hardwood Stands for Sawlogs in Southeastern Ohio

<u>Year</u>	<u>Name and (Advisor)</u>	<u>Title</u>
1967	BRANDT, Sergio (Smith)	Spatial Analysis of the World Coffee Market: The Brazilian Competitive Position
1967	EVANS, Sidney Horace (Sherman)	Analysis of Costs and Benefits from Commuting for Employment Among Core and Satellite Communities in the Appalachian Region of Ohio
1967	HARTER, Walter (Baker)	The Computer and Linear Programming as Important Instruments for Decision-Making Assistance for Farmers
1967	ROYER, Edwin Joyce (Sherman)	A Consumer Analysis of Farm and Road-side Markets in Ohio
1967	SIMONDS, Lois (Sherman)	A Study of the Variation in Food Costs in Four Cities in Ohio
1968	BAUMAN, Harold Dean (Smith)	Farm Mortgage Credit: An Analysis of Factors Influencing Its Supply and Demand
1968	CARTANO, David Carvin (Haugus)	Social Integration and Conflict in a Developing Community of the Colombian Interior
1968	DOSTER, Daniel Howard (Shaudys)	Feasibility of Producing Processing Vegetables on Irrigated Corn Belt Land
1968	GAMEH, Gameh Moustafa (Walker)	Growth Potential of Muskingum County, Ohio: An Economic Base and Input-Output Study
1968	ROTH, Herbert (Bailey)	Adaptation of Benefit-Cost Analysis to the Measurement of Performance of Agricultural Development Banks
1968	ZEHL, Donald Earl (Baumer)	The Control of the Transportation of Milk from Farm to Market and Its Effect on the Bargaining Position of Dairy Marketing Cooperatives
1968	CHAFFEE, Arthur William (Haugus)	The Adoption of Modern Agricultural Facilities by Subsistence Farmers in Central Mexico
1968	CONNOLLY, Chancy Calvin (Jones)	Consumption and Saving Functions with probability of Real Estate Debt Repayment, U.S. Agricultural Sector, 1961
1968	STICKLEY, Smith Thomas (Smith)	Factors Associated with Incomes of Ecuadorian Farmers

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1968	DERR, Donn Allan (Wayt)	An Economic Analysis of Alternative Information Systems for Real Property Records
1968	RAFELD, Frederick James (Shaudys)	An Analysis of the Influence of Personal Attitudes, Goals, Management Ability, and Growth Strategies in Farm Firm Growth
1968	SCRENSEN, Donald Melvin (Walker)	Capital Productivity and Management Performance in Small Farm Agriculture in Southern Brazil
1968	SPORLEDER, Thomas Lynn (Walker)	An Econometric Investigation of Regional Interdependency in the Processing Tomato Industry
1968	BURKHART, Grover Wayne (Shaudys)	Costs of Using Selected Sprinkler Irrigation Systems in the Upper Mad River Valley Area of Ohio
1969	TONGPAN, Sopin (Walker)	An Economic Analysis of the Price of Thai Rice
1969	McDonald, Hugh John (Sharp)	A Linear Programming Model to Optimize the Transfer Cost and Facility Requirements for U. S. Grain Exports
1969	WHYTE, Charles Dudley (Walker)	Dynamic Short-Term Estimating and Forecasting Models for Wholesale Beef Prices

M. S. DEGREES GRANTED BY THE
DEPARTMENT OF AGRICULTURAL ECONOMICS
AND RURAL SOCIOLOGY
1915 TO JULY 1969

<u>Year</u>	<u>Name</u>	<u>Title</u>
1915	MAIN, Quincy Allen	Status of Agriculture of Delaware County, Ohio - A Survey
1916	SPENCER, Edwin	The Marketing of Vegetables by Local Growers, Columbus, Ohio: A Study of Market Conditions in Relation to the Production of Vegetables in the Local Environment, and Suggestions for Improvement
1917	FERGUSON, D. L.	The Relation of the Negro to the Land
1917	LAPP, William Henry	Extent of Cold Storage Facilities in Ohio for Agricultural Products
1917	MORISON, F. L.	History of Agricultural Land Values of Ohio
1917	RUMMELL, L. L.	The Publications of the Agricultural Experiment Stations in the United States
1920	SOLLENBERGER, I. J.	The Movement of the Rural Population of Indiana Based on Census Data 1880-1910
1921	MOOMAW, Ira Wilbur	India's Agricultural Problem
1922	EWING, Selwyn Bright	Co-operative Livestock Shipping Associations in Ohio
1923	STARKEY, S. L.	A Study of Co-operative Livestock Marketing in Ohio
1925	HENNING, George Fred	Factors Influencing the Operation of Ohio Cooperative Livestock Shipping Associations
1926	BECK, P. G.	Health Facilities of Ross County, Ohio
1926	BIRD, Errol Stanley	A Comparison of the More Important Factors Influencing the Success of Thirty-three Farmers' Cooperative Elevators
1926	HEILMAN, Calvin	Some Factors Influencing the Cost of Marketing Livestock Through the Wyandot Livestock Company
1926	MINNEMAN, Paul George	The Labor Organization on Large Farms of Ohio

<u>Year</u>	<u>Name</u>	<u>Title</u>
1926	ROGERS, David Britt	Rural Social Organization in Liberty District, Ohio County, West Virginia
1927	ATWOOD, Harry	Is Ohio Agriculturally Self-Sufficing?
1927	GLASS, C. F.	Some Social, Educational, and Economic Aspects of Radio, in Relation to Rural Life
1927	DENLINGER, Huber Emerson	The Movement of Dairy Products Into and Out of the State of Ohio
1927	DOWLER, John Frederick	Cost of Producing Hogs, Cattle, and Sheep in Greene County, Ohio
1927	HAUCK, Charles Wesley	An Economic Study of the Apple Industry of Ohio
1927	KENDRICK, James Frank	The Influence of the Ohio Poultry Producers' Cooperative Association on Egg Prices in Defiance, Fulton, Henry, and Williams Counties, Ohio
1927	NICHOLS, M. P.	The Financing of Some Farmers' Organizations in Ohio
1928	ARNESON, Edgar	The Cooperative Marketing of Livestock in Ohio by Local Associations and Farmers' Elevators
1928	BATTLES, Ralph Ubert	Some Factors Influencing Milk Price Fluctuations on Cleveland and Pittsburgh Markets
1928	CRAMER, L. A.	The Movement of Rural Population: A Study of the Migration of 1206 Sons and Daughters of Open Country Families in Five Ohio Townships
1928	JACKSON, E. K.	Market News and Its Relation to Livestock Marketing
1928	CYLER, Merton T.	Relation of Certain Variable Factors to Measurement of Rural Family Living
1928	PURVIS, H. A.	Marketing Ohio Apples
1928	STOUT, Whitney Bowman	Some Economic Factors in Determining a Production and Marketing Program for the Livestock Industry of Shelby County, Ohio
1929	BUCHANAN, W. M.	Economic and Social Conditions of Negroes as Tenants and Farm Laborers in South Carolina

<u>Year</u>	<u>Name</u>	<u>Title</u>
1929	COLLINS, H. E.	A Business Analysis of Eighteen Ohio Farmers' Elevators for 1925-1927
1929	HEDGE, J. C.	Proposed Grower - Owned Produce Market for Columbus, Ohio
1929	HOPKINS, E. J.	The Effect of Weather on the Yield of Oats in Ohio
1929	INNIS, R. R.	Some Factors Affecting the Columbus Milk Supply
1929	MOORE, Henry Russell	Public Revenue in Ohio with Special Reference to Rural Taxation
1930	BARNHART, W. S.	Dairy Production in Muskingum County, Ohio, and a Plan for a Market Survey
1930	CHRISTY, D. F.	Problems Encountered and Methods Used in Revising Ohio Crop Acreages, 1866-1919
1930	MONTAGNAC, Hubert	Methods of Collecting Data in Rural Sociology
1930	PANCAKE, Aaron J.	Some Milk Marketing Problems in Ohio
1930	REED, E. H.	A Consideration of Factors that Should Enter into the Determination of a Livestock Marketing Program for Wood County, Ohio
1931	BAKER, A. L.	Attitudes and Problems of Rural Youth in Pennsylvania
1931	BOLENDER, E. O.	The Relation of Machinery Investment to Labor Income: A Study of Fifty-four Ohio Farms
1931	COWDEN, Thomas Kyle	Sources of Milk and Cream Marketed in Northern Ohio
1931	CRANE, G. B.	Advertising of Farm Products by Cooperative Associations
1931	DAVIS, A. B.	A Survey and Analysis of Lamb Marketing by the Coshocton County Livestock Shipping Association
1931	EASTWOOD, G. P.	History of Cooperative Marketing of Tobacco

<u>Year</u>	<u>Name</u>	<u>Title</u>
1931	EKSTROM, V. A.	A Study of Quality Factors and Prices of Potatoes on the Columbus Wholesale Market
1931	ROHRBAUGH, M. W.	The Development of Cooperative Marketing of Livestock in Canada
1931	ROWLAND, Clarence Eldo	Development of Current Economic Information in the United States
1931	SAUER, R. P.	The Regulation of Livestock Markets by the Packer and Stockyards Act
1932	DUGGAN, Ivy William	A Study of Economic Information for Mississippi Farmers
1932	HARRISON, Herman Henry	The Negro Farmer in Franklin County
1932	HERSCHLER, Hayes Matchett	Roadside Marketing of Agricultural Products by Ohio Farmers
1932	MUSGROVE, Grover Cleveland	Agricultural Credit Corporations in Ohio
1932	SHERMAN, Ralph Walter	A Market Analysis of Farm Sales of Milk to Dealers in Four Ohio Cities
1932	SITTERLEY, John Haas	Land Utilization in a Southeastern Ohio County
1933	COOK, Jr., Isaac Scott	Group Management of Farms by Farm Management Corporations
1933	DAVIS, Floyd Edward	Market Movements of Ohio Eggs
1933	JUDD, Margaret Abigail	Some Changes in Agricultural Production Necessary to Place the United States on a Domestic Basis and Its Effect on Ohio Agriculture
1934	LARZELERE, Henry Earle	Costs of Marketing Fruits and Vegetables in the Columbus Wholesale Market
1935	BREINER, Harold Frederick	The Estimated Cash Expenses of the Ohio Agricultural Industry 1928 to 1934
1935	DONALDSON, George Peter	Sociological Implications of the Development of a Leisure Time Program for Farm People
1935	McGUFFEY, John Grover	A Research into the Problems of State Income Taxation
1936	CROOKS, Ralph McWilliams	The Membership Relations of the Wooster Cooperative Poultry Association

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1936	ECKERT, Phil Sheridan	The Livestock Auction in Ohio
1936	TUDOR, William James	The Unemployables on Relief in Ten Rural Ohio Counties
1937	BLOSSER, Robert Howard	A History of the Major Agricultural Movements in the United States before 1920
1937	ISLER, Rudolph Milton	Relation of Farm Management to Soil Erosion
1938	AMSBAUGH, Jesse Lee	Production Costs and Labor Distribution for Tomatoes, Potatoes, and Alfalfa on Thirty-nine Wood County Farms, 1931-1933
1938	BAKER, Richard Heinley	Labor Requirements for Crop Production in Ohio
1938	CLARK, Robert Crouthers	Rural Youth in Agricultural Extension
1938	FETTRO, James Howard	The Farm Bureau and Agricultural Extension in Ohio
1938	HARTCOCK, Paul Wesley	Methods of Marketing Ohio Eggs
1938	HEADINGTON, Robert Clark	The Development, Activities, and Policies of the Grange, the Farmers' Alliance, and the Farmers' Union
1938	HEIBY, Ernest Paul	The Corn-Hog Program Under the Agricultural Adjustment Act in Ohio
1938	KAHLOR, Karl Myron	Transportation of Milk in the Cleveland Area
1938	VAN SICKLE, Gertrude Arlene	Differential Fertility of the Population of the United States
1939	POLING, Earl Bennett	The History of Cooperative Livestock
1939	WHISLER, Marshall Kenneth	Seasonal Distribution of Man Labor in Greene, Medina, and Putnam Counties, Ohio
1940	BAKER, Ralph Lavern	Cooperative Poultry and Egg Marketing in Ohio
1940	FRYMAN, Wilfred Allie	Factors Affecting the Free Flow of Goods between Ohio and West Virginia
1940	NALINOVSKY, Emil	Family and Home Adjustment of Rural High School Youth
1940	STRASZHEIM, Robert Edward	A Study to Determine the Size of Sample Necessary in Federal Livestock Surveys of Ohio

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1940	TAYLOR, Frank Miller	The Potato Marketing Program of the Ohio Farm Bureau Cooperative Association
1941	JOHNSON, Roland Arthur	The Lake Shore Growers' Co-operative Auction, Incorporated: An Analysis of Operations, 1936-1940, Inclusive
1941	MCDONALD, Margaret Frances	An Index of Ohio Farm Prices
1941	SAMUELS, J. Kenneth	Official Grade Labeling of Canned Goods - Its Development and a Test of Its Acceptability Among Consumers
1941	THEWLIS, John David	Labor, Power, and Machinery on Small Farms in Northeastern Ohio
1942	SCHMIDT, Warren Ernest	The Selective Factors of Wartime Migration, Non-Migration, and Occupational Mobility of Farm-Reared Young Men
1943	FERRIS, G. E.	Farm Accidents in Ohio, Their Nature, Causes, and Costs
1945	WALTERS, Herbert Matz	Financial Progress of 94 Tenant Purchase Borrowers in 13 Ohio Counties, 1940-43
1946	BAUMER, Elmer Frederick	Financing Dairy Cooperatives
1946	MCCORT, Robert George	Seasonal Variation in Fluid Milk Production in Chicago and Ten Ohio Markets
1947	DOWDY, George Theodore	The Mechanical Cotton Picker as a Successful Phase in the Mechanization of Cotton Production
1947	HAMILTON, Robert Burke	Should Farm Wage Rates be Included in the Parity Formula?
1947	LENOX, Wilbur Lavern	Waste and Spoilage Losses in Merchandising Fresh Fruits and Vegetables
1947	MCCORMICK, Francis Burwell	Developing a Farm Plan for the McCormick Farm
1947	SCICCHITANO, Samuel James Peter	The Changing Price Relationship Between Butterfat and Solids - Non-Fat
1947	SWARTZ, Donald M.	Economic Factors Affecting Sampling and Testing of Milk for Butterfat in Eight Ohio Markets
1947	WAYT, William Allen	Some Trends in West Virginia Agriculture from 1930 to 1945

<u>Year</u>	<u>Name</u>	<u>Title</u>
1947	WILLIAMS, Howard Copeland	Interstate Transportation Laws Which are Barriers to the Free Flow of Agricultural Products Between Georgia, and a Selected Group of South Atlantic States
1948	ATWATER, Henry Anderson	Trends in American Grown Tobacco, 1920-47
1948	BAILEY, Raymond Allman	A Proposed Plan for the Study of Labor Requirements in Caring for Dairy Cows in Different Types of Dairy Barns
1948	BAKER, Charles Kenneth	Marketing Relations Between Super-Markets and Growers of Fruits and Vegetables in Ohio
1948	CHRISTIAN, Carlton Fuller	Consumer Education in Food Marketing
1948	CRAWFORD, John Jennings	Experiments in Marketing Sweet Corn
1948	EVANS, Merrill Brown	The Movement of Feeder Livestock into Ohio During 1947
1948	JUNK, Ned Eugene	When to Market Beef Cattle
1948	McKINNEY, Olen Alfred	Production and Marketing of Rice in Arkansas
1948	MARTIN, Loyd Clayton	Produce Losses in Selected Retail Stores of the Fred H. Albrecht Grocery Company, Akron, Ohio
1948	SEZGIN, Abdurrahman	The Agricultural Regions of Turkey
1949	CLARK, James Clifford	Economic Factors Affecting Sampling and Testing of Producers' Milk Shipments for Butterfat in the Columbus Market
1949	GLASER, Robert Edward	A Study of Divorce in Miami County, Ohio, and Its Significance for the Nation
1949	HENDRICKS, Vance Carroll	Trends in the Ohio Dairy Industry During the Periods 1924 to 1944
1949	KNAPP, Thomas Meade	Some Trends in the Sheep Industry in Ohio, 1900-1949
1949	KURTZ, LaVerne Simeon	Success and Failure Factors in Extension Older Rural Youth Groups in Ohio
1949	MOORE, Ruskin Donald	Ohio Farmer's Investment in Farm Machinery
1949	PERRY, Robert Haig	Chore Labor Requirements During Spring Farrowings on Four Putnam County, Ohio, Farms

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1949	POLLOCK, Ronald Howard	Evaluation of Methods Used to Compute the Per Capita Consumption of Dairy Products
1949	ROSS, Paul Samuel	The Relationship Between Mortgage Debt and the Productivity of the Land, Darke County, Ohio, 1941-1948
1949	SCHWART, Robert Benton	A Study of the Equity of a Typical Live-stock Share Lease in Ohio
1949	SHARP, John W.	The Intermarket Movement of Paper Container Milk in Ohio
1949	STUCKEY, Roy Joe	A Plan of Organization for the Wilmington College Farm
1950	CHANG, Chia-Ying	The Economic Study of Kaihsienkung
1950	DUNCAN, Forrest Edwin	The Development of Cooperative Livestock Marketing in Ohio
1950	HIGGINS, Raymond Archer	Marketing Peaches in the Canton-Youngs-town Area of Ohio
1950	LEHMKUHL, Robert Louis	Some Factors Affecting Hog Carcass Value
1951	CHU, Yeh-Ta Kung	A Proposition on Developing Agriculture Cooperative for China
1951	FOLLETT, Richard Henry	Some Effects the Introduction of the Four Year, Soil Conserving Cropping Program has on the Organization and Income of Selected Farms
1951	HOOVER, Robert Gerald	An Historical Summary of Principal Federal Legislation Aimed at Correcting Agricultural Disparity
1951	LEED, Theodore William	Marketing Apples Through Retail Stores, Cleveland, 1950, and Canton-Youngstown Area, 1949 and 1950
1951	LOSH, Linus Burton	Some Economic Effects of Adopting Soil Conservation Practices on a Selected Group of Farms in Champaign County, Ohio 1949
1951	MILLER, Lewis Rudolph	A Study of the Organization of a Select Group of Specialized Beef Breeding Farms in Southeastern Ohio
1951	MITCHELL, Glen Hugh	Prepackaging of Ohio Apples on the Farm and Their Marketing

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1951	NEU, James William	A Study of Customers Knowledge of Certain Apple Varieties, Purchasing Habits, Uses of Apples in the Home and Related Factors, Six Selected Stores, Columbus, Ohio, December 1950 and January 1951
1951	SOLT, Wilber Eugene	The Organization, Changes Since 1935, and Some Further Modifications in Prospect for Two Major Types of Farming in Ohio as Indicated by Farm Account Summaries
1952	CHAFFEE, Arthur William	Changes in the Land Use and the Cropping Pattern in Ohio, 1929 to 1949
1952	CLEVINGER, Horace Marshall	Forecasting Corn Yields in Ohio During the Growing Season
1952	DICKINSON, Marjory Stocking	Social - Historical Trends in Selected Rural Social Agencies in Gallia County, Ohio, 1931-1951
1952	HAVAS, Nick	Consumer Acceptance of Potatoes in Four Retail Stores in Columbus, Ohio and Development of Defects in Potatoes During September and October, 1952
1952	JOHNSTON, Alexander Seth	The Development and Establishment of a Farm Program for a 450 Acre Maryland Farm
1952	PARKINS, Harry N.	Factors Affecting Prices of Apples Received by Farmers and Factors Affecting the Cold Storage Holdings of Apples
1952	SCHALCH, Don Sylvester	Legal Limitations on the Employment of Minors in Agriculture in Ohio
1952	SHAUDYS, Edgar Trego	Farm Custom Rates Paid in Ohio, 1950
1953	BERE, Richard Lee	The Effect of Climatological Factors on the Time Available to Do Selected Farming Operations in Central Ohio
1953	GEHRES, Donald Jason	Bulk Milk Handling in Ohio
1953	STEIN, Fred	An Evaluation of Surplus Milk Prices Through Financial Analysis
1953	STOUT, Thomas Taylor	Retail Meat Marketing in Ohio
1953	WADE, Dean Brunner	Repayment Progress of Tenant Purchase Loans
1953	WILLIAMS, John Rupert	Consumer Acceptance and Practices of Purchasing Fluid Milk in Glass Bottles and Paper Containers in the Metropolitan Columbus Area

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1954	CARPENTER, Neal Ross	Farm Account Records as a Source of Selected Input Data
1954	HENNING, Robin Gerald	Retail Merchandising of Greenhouse and Repacked Tomatoes in Four Major Ohio Markets
1954	LEWIS, James Hubert	Merchandising Methods Employed in Retailing Prepackaged Meat in Ohio
1954	RODGERS, Wilbert Earl	Trends in Marketing Margins and Cost for Farm Food Products
1954	WALTERS, Don Christian	The Seasonality of Livestock Prices for the Periods 1937-41 and 1949-53
1955	BEATY, Clarence Warren	Trends in Ohio Grain Elevator Facilities
1955	COCKROFT, Lindon Uhle	Trends in the Ohio Strawberry Industry
1955	FULLER, Cecil Eugene	An Analysis of Grain Storage and Processing and the Development of the Pattern of Distribution of Receipts and Shipments of Grain by Terminal Facilities in Ohio
1955	FUTHEY, George Robinson	Economic and Social Aspects of Part-Time Farming in Northeastern Ohio
1955	GIFFORD, Allen Howard	Operating Cost and Gross Profit Factors in Retail Meats
1955	MOORE, John Emery	The Contribution Different Tenure Groups Make to Land Improvement and to Selected Community Activities in Madison County, Ohio
1955	RIEHL, John Gordon	Methodology and Statistical Analysis Employed in the Akron Market Milk Distribution Study
1955	RINEHART, Kenneth Stanley	Management of the Dairy Enterprise on the Farms Enrolled in the Dairy Herd Improvement Association of Champaign County
1956	ALLEN, James Pierpont	The Establishment of Agricultural Representatives in Ohio Commercial Banks
1956	CAIN, Jarvis Lynn	Analysis and Evaluation of Record Keeping Systems in Selected Ohio Retail Food Stores
1956	CARLEY, Dale Herbert	An Analysis of the Impact of the Transportation of Milk by Bulk Methods from Farm to Plant in Ohio
1956	DUNHAM, Wallace Clayton	An Analysis of Beekeeping in Ohio

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1956	ECKER, Harold J.	An Analysis of Seasonal and Geographical Variations in Marketing Margins for Corn at Terminal and Local Elevators in Western Ohio
1956	GREENBAUM, Harry	A Comparison of Various Sized Egg Laying Flocks in Darke, Shelby Miami, and Auglaize Counties, Marketing their Eggs Through the Poultry Producers' Association
1956	HAVLICEK, Joseph	The Effect of Family Income, Family Size, and Family Age-Group Composition on the Per Capita Consumption of Milk in 8 Selected Ohio Milk Markets
1956	JOHNSTON, John Ralph	The Effects of Container Type and Size upon Consumer Purchases of Milk within Eight Selected Ohio Milk Markets
1956	MCCORMICK, Anita Pose	A Study of Food Purchasing Practices in Selected Rest, Convalescent, and Boarding Homes in Ohio
1956	MILLER, Edgar Allen	The Historical Development of Livestock Marketing in the Eastern Corn Belt and an Analysis of the Buyers and Sellers on the Cleveland and Cincinnati Terminal Markets
1956	MOORE, Charles Vincent	Credit and Repayment Plans Based on the Monthly Cash Receipt and Expense Patterns of Selected Groups of Ohio Farms for the Years 1953, 1954, and 1955
1956	PROCTOR, Robert Dean	An Analysis of the Surplus Milk Problem in Six Selected Ohio Markets
1956	REESER, Robert Moffett	Economics of Crop Production Practices on Hoytville Soils
1956	STUDEBAKER, John Abraham	A Comparison of Upright and Horizontal Silos as a Means of Storing Grass Silage
1956	SWANK, Charles William	Merchandising Greenhouse and Repacked Tomatoes at the Retail Level
1957	BAUMEL, Clarence Phillip	Financial Analysis of Country Elevator Operations
1957	CLARK, John Pradbee	Alienation in a Milk Marketing Cooperative
1957	GARRISON, Dan David	Merchandising Techniques and Trends in Greenhouse Tomatoes at the Retail Level
1957	HAIDER, Agha Sajjad	An Analysis of the Agricultural Extension Program in the United States and Its Implication for an Agricultural Extension Program in Pakistan

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1957	McCOY, Robert James	An Analysis of Ohio Wheat Producers' Views of Federal Agricultural Policies in 1956
1957	QUIGLEY, Kenneth Lee	The Production and Marketing of Christmas Trees by Ohio Tree Growers
1957	SCHULTZ, Stanley Ray	An Analysis of Gross Margins for Fresh Fluid Milk Products in the Akron, Ohio Milk Market
1957	SHELDEN, Gerald Wilcos	An Analysis of the Sale of Inexpensive Cut Flowers and Potted Plants Through Supermarkets in Columbus, Ohio
1957	SHUMAN, Adnan Shukay	The Cooperative Movement, Its Origin and Progress in England, Denmark, Finland, Egypt, Syria, and Iraq
1957	STEINER, Earl Thomas	Economic Evaluation of Machine Use by Farm Size and Type of Farm in West Central Ohio
1957	STIEFEL, Sidney	The Movement from Full to Part-Time Farming in Central Ohio with Emphasis on its Effects on Farm Management
1957	SWANK, Chester Eugene	An Analysis of Marketing Information for Consumers Supplied to County Extension Agents in Ohio
1957	THOMAN, Richard Billing	The Effect of Level of Display on Sales of Vacuum Canned Coffee and Salad Dress- in Four Columbus Ohio Retail Self-Service Food Stores
1957	WILSON, Thomas Allen	Unfair Trade Practice Legislation with Particular Reference to the Dairy Industry
1958	AKHTAR, Mohammad	Marketing of Hides and Skins in Lahore and Surrounding Areas in Pakistan
1958	ARMSTRONG, David Lee	Management Practices Affecting the Per Cent of Calf Crop on Commercaill Beef-Breeding Herds in Western Ohio
1958	BOWEN, Clarence Carlton	Prices Received for Slaughter Hogs and the Relationship of Prices to Weights and Grades at Seven Selected Livestock Auctions in Ohio September 1, 1956 to August 31, 1957
1958	BREWER, William David	An Analysis of Bulk Fertilizer Operations and the Effects on Alternative Methods of Distribution in Ohio

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1958	BRUNTHAVER, Carroll Grant	The Effect of the Acreage Reserve Program on Ohio's Agriculture
1958	CHAUDRI, Mohammad Siddique	A Study of Agricultural Prices at the Lyallpur (Pakistan) Market
1958	CHEN, Hsing-Yiu	Crop Insurance of the United States and Japan with Its Application to Taiwan Agriculture
1958	DULL, Martin Richard	An Analysis of the Sale of Container-Crown Nursery Stock Through Mass Market Outlets in Columbus, Ohio
1958	HAAS, John Thomas	Trends in the Location Patterns of Live-stock Marketing and Meat Processing in Ohio
1958	HENDRICKS, William Hulin	An Analysis of Daily Apple Prices on the Cleveland Wholesale Produce Market, 1954-1956
1958	INGRAHAM, Charles Harold	An Analysis of Purchaser Acceptance and the Historical Development of the Ohio Demonstrational Feeder Calf Sales Program
1958	MCDONALD, Russell Fudge	The Development and Evaluation of a Revised Technique for Shearing and Preparing Fleece Wool for Market
1958	MARHOOVER, Rodney	A Study of Ohio Tri-State Producers Attitudes Toward and Knowledge of Their Milk Markets
1958	PAWAR, Goodwin Dashrath	Differentials in Family Characteristics Among Communities of Different Sizes in the United States
1958	PEASE, Paul Tildes	An Economic Study of Buildings and Equipment in a Farm Milking Factory
1958	QUINONES, Edward	A Study of the Supply and Consumption of the Major Edible Soap Fats and Oils in the World and Selected Countries
1958	RIDENOUR, John Haven	Consumer Preference for Milk Containers in Eight Selected Ohio Cities
1958	RITTINGER, Martha Gerber	Developing Farm Plans with the Aid of Linear Programming
1958	SIMONDS, Lois Ann	Sources of Information Used and Kinds of Help Desired in Planning and Purchasing Food for Selected Families in Lorain County, Ohio

<u>Year</u>	<u>Name</u>	<u>Title</u>
1958	UTZINGER, James Duane	The Cost of Operation and Farmer Experiences in the Use of Hay Conditioner
1958	VanAUSDALE, Rolan Eugene	A Preliminary Analysis of Distress Situations in the Use and Management by a Selected Group of Ohio Farmers
1958	WELSH, Lawrence Dean	An Analysis of the Demand for Soft Red Winter Wheat and All Wheat and Some Factors Influencing Demand and Their Implications for Wheat Price Policy
1959	ATKINSON, Gilbert Lester	Personal Influences Affecting the Occupational Choice of High School Senior Boys
1959	CHARTIKAVANICH, Prawat	The Cooperative Movement in Thailand
1959	CLOWE, Francis Deaton	Effect of In-Store Promotion on Retail Sales of Greenhouse Tomatoes
1959	DOSTER, Daniel Howard	Effect of Expectation Errors on Farm Income from 160-Acre Farms in West Central Ohio
1959	EVANS, Richard Paul	Economic Aspects of Green Chopping and Rotational Grazing
1959	FRIEDLY, Donald Eugene	An Analysis of the Practices and Procedures of the Retail Dairy Departments in Cleveland, Columbus, and Dayton, Ohio
1959	GOODING, David Ingram	An Analysis of Selected Factors Affecting the Volume of Sales of the Principal Products Found in the Dairy Department of Selected Retail Food Stores in Cleveland, Columbus, and Dayton, Ohio
1959	GORDIN, Dean Lackey	Identification of Factors Affecting Live-weight Shrinkage of Livestock Marketed in Ohio
1959	HART, Stanley Philip	An Analysis of the Discounting Practices for Moisture in Corn in Ohio
1959	HUTCHISON, Oliver Keith	An Investigation of the Attitudes of Owners of Forest Land in Hardin and Union Counties, Ohio
1959	KENDRICK, James Griffith	Some Trends of Ohio Agriculture
1959	LIEBER, William Howard	Market Livestock Available and Analysis of Livestock Market Location in Ohio
1959	LIN, Chang-Wei	The Place of Agricultural Exports in the Economy of Free China

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1959	NORRIS, John Joseph	An Analysis of the Affect of Unplanned Renewals on the Financial Position of Selected Ohio Farmers
1959	PITTMAN, Joe Donald	The Marketing of Container-Grown Nursery Stock Through Garden Stores and Views of Growers on the Marketing of this Stock
1959	PITZER, Ronald Lee	The Influence of Social Values on the Acceptance of Vertical Integration by Broiler Growers
1959	SAFILIOS, Constantina Constantine	Migration Patterns in Ohio, 1949-1950
1959	SCHMIDT, Armin Louis	Mission Board Executives' Expectations for the Role of the Agricultural Missionary
1959	SEBALD, Hans	Family Integration in a Rural Fringe Population
1959	SEEHUSEN, Marven Harm	Factors Affecting the Location of Seed Conditioning Facilities in Ohio
1959	SISSON, Phillip Franklin	An Analysis of Grower's and Produce Manager's Views to the Marketing of Low Cost Flowers through Supermarkets
1959	VOLLMAR, Glen Junior	An Analysis of the Retail Sales of Ohio Greenhouse Tomatoes for the 1955, 1956, and 1957 Spring Crops
1959	WANG, Te-Hsing	A Study of Farm Credit System in the United States and Its Adaptability in Taiwan
1959	WANG, Yi	A Comparative Study of Rice and Wheat in the World Food Supply and Trade
1959	WISE, Frederic Crawford	Farm Tenant Participation in Community Activities and Some Influencing Factors, in Two Selected Counties
1959	YOST, Maurice Dwayne	A Study of Protestant Agricultural Mission Service and How to Prepare for It
1959	ZEHR, Donald Earl	An Analysis of the Study and the Uses of Milk in Ohio
1960	ADEGBOYE, Rufus Oladokun	Agricultural Credit Problem on Owner-Operated Farms in Western Nigeria
1960	BEHILLER, James Lee	Development of a Scale to Measure the Rationality Element of Farm Management Ability

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1960	BIEDERMANN, Konrad	The Influence of Transportation Charges Between the Pacific States and Alaska upon the Growth Potential of Alaska Agriculture
1960	BROWN, Joseph David	Wholesale and Retail Price Movements for the 1958 and 1959 Ohio Greenhouse Tomato Spring Crops
1960	COGAN, Robert Elmer	Optimum Organizations on Southeastern Ohio Farms with a Beef Cow Herd Enterprise
1960	CORNWALL, Linton Arlington	A Study of Average Prices for Three Varieties of Apples on the Cleveland Wholesale Produce Market, Crop Seasons 1954-1956
1960	DIX, Thomas Jay	Adjusting the Commercial Farm to Part-Time Operation, Southeastern and Western Ohio Areas
1960	ESHLEMAN, John Ross	Motives for Church Participation in an Interstitual Rural Locale
1960	FOX, William Joseph	The Sale of Milk in Ohio with the Use of Home Milk Dispensers
1960	FRANCIS, David George	Communication Credibility of a Non-recommended Agricultural Innovation
1960	GIESSLER, Frederick William	An Analysis of Ohio Liquid Fertilizer Plants and a Comparison with Bulk Dry Fertilizer Plants
1960	HAVENS, Arthur Eugene	Community Intergration Alienation in Suburbia
1960	LEUTHOLD, Franklin Oscar	Demonstrators and the Diffusion of Fertilizer Practices
1960	McCAULEY, Orris Dayton	Small Private Forest Ownerships in Ohio: Owner Characteristics and Attitudes Toward Forest Land Management
1960	MILLER, John Lewis	An Analysis of the Services Food Wholesalers Offer to Independent Retail Food Stores and the Role the Ohio Cooperative Extension Service can Play in Relation to These Services
1960	MILLER, Walter Wayne	The Effects of Migration on Churches in the Rural Fringe
1960	NEU, Charles Reid	Effects of a Special Type of In-Store Promotion of Greenhouse Tomato Sales

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1960	PHILLIPS, Gurland Howard	Organizational Structures for Decision Making and Action in State Rural Development Administrative Groups
1960	POTTER, Harry Raymond	Some Factors Related to Attitude Toward Industry in a Relatively Low Income Rural County in Ohio
1960	RATHORE, Bhupal Singh	Credit Problem of Small Farmers in Rajasthan, India with Special Reference to Occupancy Tenants in Udaipur District
1960	ROTHERT, Lowell Frederick	The Social and Economic Impacts of Heart Disease upon a Selected Group of Ohio Farmers
1960	ROY, Bhagawati Sharan	Theoretical Analysis and Performance of Centrifugal Seeders
1960	SCHULER, Leland Delmar	The Market for Maple Syrup and Its Relationship to Production and Marketing Practices in Geauga County, Ohio
1960	SKINNER, Richard Walter	The Marketing of Container-Grown Nursery Stock Through Garden Stores and Views of Consumers of this Stock
1960	TURNER, Michael Stanley	Marketing Farm Timber in Southeastern Ohio
1960	WENNER, Charles William	Land Use Planning in Hancock County
1961	BERGER, Glenn Irwin	Effect of Various Inputs on Net Income of Country Elevators in Ohio
1961	BURDGE, Rabal James	The Development of a Leisure-Oriented Scale
1961	CARTANO, David Garvin	Membership Relations in a Farmer Organization
1961	CURRENT, Richard Lee	Operational and Organizational Problems in Managing and Financing Large Dairy Farms in Ohio
1961	DOCKUM, Robert Russell	An Analysis of the Procedure Used by the United States Department of Agriculture's Statistical Reporting Service to Estimate Monthly Egg Production in Ohio, with Suggested Improvements
1961	EL SHISHTAWY, El Saied El Ahmady	Effect of Membership Relations on Patronage in a Farmer Cooperative

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1961	FLINN, William Loren	Combined Influence of Group Norms and Personal Characteristics on Innovativeness
1961	GROVER, Philip Lloyd	Prestige in a High School Social System
1961	HAHN, Kharak Singh	Economics of Resource Allocation to Drainage of Brookston and Crosby Soils in Ohio
1961	MEIER, Verlin Richard	Goal and Factors Affecting Success of Farm Families
1961	POLLOCK, Gene Edward	Bulk Feed and Grain Bank Operations at Ohio County Elevators
1961	REED, Craig Albert	The Impact of Mass Society on Rural Communities
1961	SEHNERT, Frank Henry	A Functional Framework for the Action Process in Community Development
1961	SINGH, Raghbir	An Inquiry into the Relative Efficiencies of Different Types of Land Tenure in Intrafirm Resource Allocation in the Punjab (India)
1961	SMITH, Philip Cameron	The Trends in Livestock Marketing
1961	THOMAS, Donald Wesley	An Analysis of Differential Fertility in Ohio
1961	THOMAS, Paul Richard	Factors Influencing the Shrinkage of Livestock from the Farm to the First Market
1961	TUCKER, Carlos Franklin	Prediction of Rate of Adoption from Characteristics of Farm Innovations
1961	VERMILYA, John Fuller	A Study of the Conservation Reserve Program in Montgomery County, Ohio
1961	WALKER, Jerome Arthur	Analysis of Potato Harvesting, Processing and Packaging John F. Stambaugh and Company Farm, 1960
1961	WILGENBUSCH, Dale Edward	Cost of Marketing at Retail as Effected by Different Degrees of Packaging
1962	BARBER, Rollin Michael	Factors Related to the Aspirations of Rural-Urban Migrants for their Children
1962	BENTLEY, Ernest Ray	Methodology and Implications of Spatial Equilibrium Solutions in the Pork Sector of the Livestock Meat Economy

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1962	CORDREY, John Bertus	Development of the Optimum Forage Handling System and Milk Facilities on a Typical Northeastern Ohio Family Dairy Farm
1962	CUMMINS, David Earl	The Development of a Production Response Function for the Typical 200 Acre Hog-Corn Farm in Western Ohio
1962	HAMPTON, Carl Leroy	An Analysis of Factors Related to the Decline in the Quality of Loans to Selected Ohio Farmers
1962	KRILL, Melvin Keith	An Analysis of Milk Procedures in Fulton County
1962	KROCK, Lyle	Ohio Agriculture: An Analysis of Selected Current Trends and the Expected Situation in 1980
1962	LOVE, Roscoe Henderson	An Analysis of Take-Off Pay-Back Plan on Milk Deliveries
1962	MILLS, Neil B.	The Development of Korean Markets for United States Agricultural Commodities
1962	MONEEB, Essam Hassan	Trends in the World Rice Industry
1962	NEHER, Leon Crist	Some Sociological Elements of Effective Campaign Procedure
1962	REDDY, L. C. Crishna	A Comparative Study of the Indian Community Development Program with the U.S. Rural Area Development Program
1962	SCHINDLER, Raymond Arthur	Predicting Adoption or Rejection of Rural Zoning by Townships in Ohio
1962	SHARPLES, Jerry Alan	The Effect of the 1961 Feed Grain Program on West Central Ohio Farms
1963	BEDESTENCI, Ali Kemal	The Development of the Fruit and Vegetable Marketing System in the United States
1963	CLEMONS, Jr., Karl Vern	An Analysis of the Farm and Home Development Method on 30 Dairy Farms in Williams County, Ohio
1963	COON, Merl Ray	The College Community as a Reference Group: Its Influence on Changing Values
1963	DARROW, Edward Eugene	The Seasonal Relationship Between Farm Real Estate Marketing Activity and Price
1963	DICKEY, Ronald Wayne	Economic Analysis of the Ohio Slaughter Industry

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1963	DUM, Thomas Edgar	A Comparison of Farm and Apartment Real Estate Investment Possibilities in Central Ohio
1963	ERVEN, Bernard Lee	Optimum Organization of Southeastern Ohio Farm Situations with Selected Enterprise Alternatives and Resource Availabilities
1963	GLEASON, Ralph N.	Technical Assistance to the Agricultural Sector of Developing Nations
1963	HINES, Lawrence Edward	The Relationship of Traditional Values to Outdoor Recreational Behavior
1963	HARTMAN, Lenore Anne	Factors Affecting Availability and Acceptability of Lamb in Ohio Retail Stores
1963	INGMAN, Stanley Rusk	Private Outdoor Recreational Development: Factors Associated with Adoption
1963	KIMMET, Donald Eugene	Analysis of the 1962 Feed Grain Program in Northwestern Ohio
1963	KISER, Harvey Lee	The Effects of the Changes of Transportation Facilities on the Toledo Grain Market
1963	LARSON, David A.	The Relationship of Executive Managerial Skills and Income on Selected Hog Farms
1963	LYTLE, John S.	Bulk Feed and Grain Bank Operations Demanded by Ohio Farmers
1963	MENDEL, Joseph John	Motivation of the Small Woodland Owner in South Central Ohio: A Study of Characteristics and Attitudes Related to the Adoption of Timber Management Practices
1963	NEILL, Ralph Ernest	Achievement Motivation Among Ohio Farmers
1963	PFALZGRAF, Charlene F.	The Effect of Industrialization of a Rural High School Program
1963	TAYLOR, James Robert	Economic Considerations in the Recreational Development of Agricultural Land
1963	VASTINE, William John	A Consumer Acceptance Study of Selected Methods for Merchandising Grapefruit, Columbus, Ohio, 1963
1963	YOESTING, Dean Richard	Social Change in an Industrializing Resource Development Country

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1964	BLUE, Carl Robert	Farm Income, Labor Inputs, and Production Costs on Northeastern Ohio Dairy Farms Equipped with Stanchion Type Facilities
1964	CHAFIN, Donald Gray	A Farm Manager Looks at Organization of a 300 Cow Dairy Herd in Ohio
1964	KOYUNGUDEN, Ahmet Hamdi	The Peach Marketing in the U. S.
1964	ROTH, Herbert J.	Analysis of the Land Contract: A Means of Financing The Transfer of Farm Real Estate Ownership
1964	RUSHTON, Williard Travis	A Description and Analysis of Criminal Behavior, Patterns of Rural Offenders in Ohio
1964	YOUSSEF, John Daoud	The Development of Agriculture in Lebanon
1964	BIRKE, Lakew	The Role of Cooperative Agricultural Credit in Economic Development in Less Developed Nations with Special Reference to Ethiopia
1964	COURTNEY, Richard Howard	Structural Change and Economic Behavior of Ohio Dairy Producers
1964	DERR, Donn Allan	Characteristics of Ohio Agricultural Water Supply and Use with Special Reference to the Huron Black Water Shed
1964	FAREVEN, Eran	Measure of Achievement Motivation and School Performance of Jewish Males
1964	MICHAEL, Demissie Gebre	Agrarian Reform -- A Proposal to Contribute to Economic Development in Ethiopia
1964	MILLER, Charles Edward	Monetary and Satisfaction Orientation of Ohio Cash Grain Farm Managers
1964	SEITZ, Wesley Donald	The Importance of Private Label Milk in Ohio
1964	STAUFFER, Bruce Baldwin	A Cost Return Analysis of 100 Beef-Cow Cattle Herds on Ohio Corn Belt Farms
1964	STICKLEY, Smith Thomas	Socio-Economic Correlates of Levels of Living Among Farmers in Three Colombian Neighborhoods
1964	WESTERHOLD, Raymond William	Measurement and Predictions of Trends in Size, Specialization and Profitability of Country Elevators in Western Ohio

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1964	CUNNINGHAM, Martin Van	A Comparison of Managerial Characteristics of Lime Light and Non-Lime Light Dairy Farm Operators
1964	HARTER, Walter	An Analysis of Some Factors that Influence Farm Income on Dairy Farms in Northeastern Ohio
1964	KNAPP, Melvin	Social Factors Associated with Egg Consumption in Four Middle Income Regions of Columbus, Ohio
1964	ES, John van	Opinion Leadership in Colombian Verdas with Different Norms on Social Change
1964	JUNQUEIRA, Persio Carvalho	Demand Analysis for Selected Agricultural Products in the State of Sao Paulo
1964	SALEM, Jamal Mohammad	The Role of Supervised Ag. Credit and Land Settlement with Special Reference to Ag. Credit in Jordan
1964	TORRES, Hugo Alfonso	Spatial Analysis of the World Market for Corn: An Optimal Shipment Pattern for Corn
1965	ABU-HAMMAD, Abdallah Mohammad	An Analysis of Factors Inhibiting Performance of Agricultural Credit Programs in Developing Countries
1965	CONNOLLY, Jr., Chancy Calvin	Evaluating Wholesale Buyers Preferences for Summer Head Lettuce
1965	HOFFMAN, Robert G.	Estimating Cash Receipts from the Sale of Milk by areas in Ohio
1965	RAFELD, Frederick James	A Programming Model Providing for Internal Capital Re-Investment in the Farm Firm
1965	ROLDAN, Ramon Jose	Framework for Evaluating of Minimizing Costs in the Egg Producing and Handling Operation
1965	WICKLINE, James Douglas	Use of Linear Programming in Studying Retail Meat Department Management
1965	McEOWEN, John Lape	Market Structure, Conduct, and Performance Relationships in the Ohio Ice Cream Industry
1965	GAMEH, Gameh Moustafa	The Agricultural Cooperative Movement in the United Arab Republic, Egypt, History, Development and Functions
1965	EL NASSER, Narwan Mohammed	The Market and Production Credit Association Loans from 1934 to 1959 is Econometric Study

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1965	FINLEY, James Richard	Prediction of the Adoption of the Improved Farm Practices
1965	JARAMILLO-HOYOS, Hernan	Industrialization and the Change of Religious Beliefs in Colombia
1965	WELLS, James	Diffusion of Tobacco Growing Innovations in Brown County, Ohio 1961
1965	ACTON, Robert Wood	Outdoor Recreation Case Studies of Organization and Development of Selected Large Multiple Enterprise Firm
1965	BENNETT, Thomas	Structural Analysis of the World's Wheat Market
1965	CHATURVEDI, Rajendra Nath	Feasibility of Potatoes as a Crop to Supplement Problem Food Grains in India
1965	GIVEN, Charles William	An Analysis and Comparison of Power Structures in Two Rural Communities
1965	McCLURE, Thomas Andrew	Proposed Method for Statistically Estimating Repayment Capacity of Farm Borrowers
1965	MINNICH, Dale E.	An Economic Evaluation of Criteria for the Selection of Swine Breeding Animals
1965	ROJAS, Gentil	Economic Analysis of the Ecuadorian Development Banking System
1965	SPORLEDER, Thomas Lynn	Aspects of Promotion in the Dairy Industry
1966	ISRANKURA, Vanrob	Production and Marketing in Thailand
1966	LIMBIRD, James	A Study of the Feasibility of an Agricultural Department for the Typical National Bank and Trust Company Somewhere, Ohio
1966	OTTE, Ed	Non-thesis
1966	SHOWALTER, Howard	Non-thesis
1966	SVEC, Bob	The Use of Wood by Ohio Furniture Manufacturers
1966	WHITNEY, John	Non-thesis
1966	WHYTE, Charles	An Economic Analysis of the Factors Determining the Price of Processing Tomatoes in Ohio
1966	MURPHY, Glen	The Effect of Urban Development on Agriculture at the Rural Urban Fringe

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1966	SCHRINER, Eldon	Affects of the First Child on Marital Adaptation and Integration
1966	BURNHAM, Bruce	Business Analysis of 17 Farm Roadside Markets in Ohio
1966	CLAMPET, Gerald	An Analysis of the County Estimates and Indications of Corn for Grain Yield Per Acre in Ohio, 1959-1964
1966	CROWN, Herbert	An Analysis of Feed Cost in Producing Milk in Northeastern Ohio
1966	DISYAVANICH, Boonchoo	A Study of the Rubber Industry in Thailand and the Possibility of Adopting an Agricultural Development Plan for Natural Rubber Replanting
1966	KRAMER, Gertrude	Status and Consistency and Formal Social Participation in a Rural Community
1966	SULLIVAN, James	The Cost of Producing Milk in Northeastern Ohio, 1965
1966	SUZAUDDOWLAH, MD.	An Analysis of the Price of Rice in East Pakistan
1966	MERRILL, Nicholas Conrad	Opportunities for Area Application in Ohio Agriculture
1966	THOMPSON, Richard	Short-term Price Forecasting Models for Wholesale Beef
1967	PIPER, Daniel	Non-thesis
1967	FAIRCHILD, Gary F.	A Cost Analysis of Bulk Milk Assembly in the Columbus Ohio Milk Market
1967	HENNING, William L.	Capacity of Farmers Home Administration Borrowers in Five West Central Ohio Counties
1967	LYTLE, Paul William	Intrafirm Economic Analysis of Financial Statements of Country Elevators
1967	MIAN, Abdul Jalil	An Analysis of Production and Price of Major Edible Oils in East Pakistan
1967	BERG, James	A Factor Analysis of Tomato Characteristics in - 120 Columbus Families
1967	McALLISTER, Don	Linear Programming Analysis of the Dairy Herd Replacement Problem on Selected Ohio Farms

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1967	STANSBURY, Dale	Factors Affecting Delinquency of Agricultural Credit in Peru
1967	ARAUJO, Paulo	An Economic Study of Factors Affecting the Demand for Agricultural Credit at the Farm Level
1967	CHAI, King You	The Cooperatives and Land Reform Program in Taiwan
1967	FORNI, Nadia	Agricultural Development in the Ivory Coast, Impact of the Association to the European Economic Community and Implication for U. S. Agriculture
1967	HUNT, James	An Analysis of the Lease or Purchase Decision Facing the Farm Manager
1967	STITZLEIN, John	The Characteristics and Significance of the Non-Institutional Credit Market in Rural Ecuador
1968	BALCHA, Dembel	Agricultural Research in Ethiopia: Its Organization and Administration and Its Potential Contribution to Economic Growth and Development
1968	STUDEBAKER, William	An Analysis of Customers' of a Self-Service Garden Center in Franklin County
1968	BOSECKER, Raymond	An Analysis of Ratio to Land Indications with Sample Stratification by Size of Farm for Acreage Estimation of Major Ohio Crops
1968	MARTIN, Larry	Return to Capital Inputs on Crop Farms in Southern Brazil
1968	SIMEONIDIS, Haralambos	Net Farm Income and Potential for Capital Accumulation on Livestock Farms: Rio Grande do Sul, Brazil
1968	GANSER, David Andrew	An Evaluation of Pulp Wood Management Investment Opportunities in Upland Hardwood Forests of Southeastern Ohio
1968	HOPKINS, John Thomas	Non-Thesis Program
1968	MELVIN, William Lee	Non-Thesis Program
1968	SMITH, William Lloyd	Non-Thesis Program
1968	CAMERON, Charles Harrison	An Economic Analysis of Alternative Systems of Drainage on Hoytville Soils in Wood County, Ohio